Standard Power Supplies

From The World's No.1 Power Supply Company

2011/12

www.DeltaPSU.com

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Voltage	Current	Power	Part Number	Phase	
12V	1.25A	15W	DRP012V015W1AZ	1	04
12V	2.50A	30W	DRP012V030W1AZ	1	05
12V	5.00A	60W	DRP012V060W1AA	1	06
12V	8.33A	100W	DRP012V100W1AA	1	07
24V	2.50A	60W	DRP024V060W1AZ	1	08
24V	2.50A	60W	DRP024V060W1AA	1	09
24V	2.50A	60W	DRP024V060W3AA	3	10
24V	5.00A	120W	DRP024V120W1AA	1	11
24V	5.00A	120W	DRP024V120W3AA	3	12
24V	10.0A	240W	DRP024V240W1AA	1	13
24V	10.0A	240W	DRP024V240W3AA	3	14
24V	20.0A	480W	DRP024V480W1AA	1	15
24V	20.0A	480W	DRP024V480W3AA	3	16
24V	2.50A	60W	DRP024V060W1BA	1	17
24V	5.00A	120W	DRP024V120W1BA	1	18
24V	10.0A	240W	DRP024V240W1BA	1	19
48V	1.25A	60W	DRP048V060W1BA	1	20
48V	2.50A	120W	DRP048V120W1BA	1	21
Usable For	**Current**	**Voltage**	**Part Number**		
CliQ & CliQ II	20A	22-60V	DRR-20A		22
CliQ & CliQ II	40A	22-60V	DRR-40A		22

- PMC Panel Mount Power Supply 28-47

Voltage	Current	Power	Part Number	Phase	
5V	3.00A	15W	PMC-05V015W1AA	1	29
5V	7.00A	35W	PMC-05V035W1AA	1	30
5V	10.0A	50W	PMC-05V050W1AA	1	31
12V	3.00A	35W	PMC-12V035W1AA	1	32
12V	4.17A	50W	PMC-12V050W1AA	1	33
12V	8.33A	100W	PMC-12V100W1AA	1	34
12V	12.5A	150W	PMC-12V150W1BA	1	35
24V	1.46A	35W	PMC-24V035W1AA	1	36
24V	2.10A	50W	PMC-24V050W1AA	1	37
24V	3.13A	75W	PMC-24V075W1AA	1	38
24V	4.17A	100W	PMC-24V100W1AA	1	39
24V	6.25A	150W	PMC-24V150W1AA	1	40
24V	6.25A	150W	PMC-24V150W2AA	1	41
24V	12.5A	300W	PMC-24V300W1AA	1	42
24V / 5V	2.70A / 7.00A	100W	PMC-DSPV100W1A	1	43

- AMD Medical Adapter 48-53

Voltage	Current	Power	Part Number	Phase	
12v	2.50A	30W	AMD-12V030WXYA	1	49
24V	2.50A	60W	AMD-24V060WXYA	1	50
24V	3.33A	80W	AMD-24V080WXYA	1	51

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Company Profile
Delta Electronics Group

World's No. 1* Provider of Switching Power Supplies

Delta Electronics Group is the world's largest provider of switching power supplies and a major source for power management solutions, components, visual displays, industrial automation, networking products and renewable energy solutions. Established in 1971, Delta has sales offices and R&D facilities worldwide with manufacturing plants located in Taiwan, Thailand, China, Mexico, India and Europe.

As a global leader in power electronics, Delta has long been adopting Green manufacturing processes, recycling initiatives, waste management programs and environmentally-friendly green buildings. Delta's effort was recognized by CNBC European Business magazine as a Global Top 100 Low-Carbon Pioneer. This relentless endeavor is also reflected in Delta's corporate mission: "To provide innovative, clean and energy-efficient solutions for a better tomorrow." Delta has seen strong double-digit revenue growth since 1994.

Many top tier companies on the Fortune 500 list has long regarded Delta as a trusted ODM (Original Design Manufacturer) partner. These companies expect nothing less than the best technology, quality and reliability. With Delta's continuing growth and expanding customer base for decades, the results speak for itself.

Since 2008, Delta had started introducing its own brand of standard power supplies. These products offer customers the same world class technology and quality Delta's ODM partners are familiar with. Due to the fast growing popularity of Delta's CliQ DIN Rail power supplies and PMC Panel Mount power supplies series, more product types will be introduced regularly.

For more information, please visit Delta standard power supplies homepage at **www.DeltaPSU.com**.

Customization

With decades of industrial leading manufacturing and design experiences in ODM power management products, we can cater to specific customer needs in industrial applications.

Please do not hesitate to contact your local Delta Electronics distributor or simply send your query to **vl@delta.co.th**.

*Based on the global sales revenue from the Micro-Tech Consultants March 2011 report

Standard Products
CliQ DIN Rail Power Supply

Product Introduction

The CliQ and CliQ II series DIN Rail Power Supply are the latest offerings from one of the world's largest leading power supply manufacturers and solution providers – Delta. The state-of-the-art design is made to withstand harsh industrial environments. The rugged, compact metal case and plastic case are both shock and vibration resistant according to IEC60068-2.

The CliQ series of products provide overvoltage, overload and over temperature protections. Using a wide input voltage range design, Delta's CliQ power supply is usable worldwide.

The built-in Power Boost feature is the reserve power available constantly that allows reliable startup of loads with high surge current or constantly operating in transient overload condition.

Typical Applications



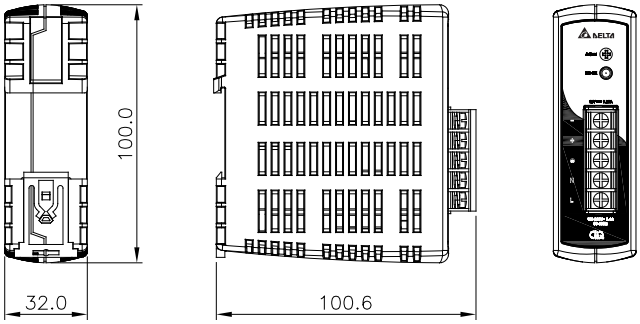

- General engine constructions
- Apparatus constructions
- Building equipments
- Packing equipments
- Wood-cutting machines
- Sheet-fabricating machines
- Automotive engineering
- Test & Measurement
- Environmental engineering
- Construction machines
- Automation process

CliQ DIN Rail Power Supply
12V 15W 1 Phase

HIGHLIGHTS & FEATURES

- Enable multiple wire connection to terminals
- Easy installation
- Compact design for easy handling
- Overload, Overvoltage, and Over temperature protections
- Power Boost 150% for 3 seconds
- Redundancy: Yes (with External ORing Diode)
- With Conformal Coating (Class 1 Div 2 Hazard Loc Ready)
- RoHS Compliant

MECHANICAL DRAWING



TECHNICAL DATA

OUTPUT SPECIFICATIONS	
Output Voltage	12V
Output Voltage Range	11-14V
Output Current	1.25A
Output Power	15W
Residual Ripple / PARD (20MHz)	< 100mVpp @ 25°C
Hold-up Time	> 22ms @ 115Vac, > 110ms @ 230Vac
Line Regulation	< 0.5% typ. (@ 85-264Vac input, 100% load)
Load Regulation	< 1% typ. (@ 85-264Vac input, 0-100% load)
MECHANICAL	
Case Cover	Plastic
Dimensions (L x W x D)	100 x 32 x 100.6 mm
Unit Weight / Box	0.18kg
MTBF	> 300,000 hrs.
Noise	Sound pressure level (SPL) <40dBA
Cooling	Convection
Input / Output Terminal	M3.5 x 5 Pins (Rated 300V/15A)
Mounting Rail	Standard TS35 Mounting Rail
Shock Proof	IEC60068-2-27
Vibration	IEC60068-2-6
Protection Structure	IPX0

INPUT SPECIFICATIONS	
Input Voltage Range	85-264Vac (DC input range 120-375Vdc)
Input Frequency	47-63Hz
Nominal Current	< 0.37A @ 115Vac, < 0.22A @ 230Vac
Max Inrush Current	< 30A @ 115Vac, < 65A @ 230Vac
Power Factor	Conform to EN61000-3-2 STD
Efficiency	> 83.0%
Leakage Current	< 1mA @ 240Vac
SAFETY	
EMC / Emissions	CISPR22, EN55022, EN55011, FCC Title 47: Class B
Immunity	EN55024: 1998/A1:2001/A2:2003 Level 3; EN61000-4-2, Level 4 “Criteria A”
Safety Standard	UL508, CSA C22.2 No. 107.1-01, UL60950-1, CSA C22.2 No. 60950-1, EN60950-1, IEC60950, EN50178, IEC62103:2003, IEC60204:1998
Voltage Dips	Conform to EN61000-4-11
Derating	> 50°C derate power by 2.5% / °C; > 70°C derate power by 4% / °C

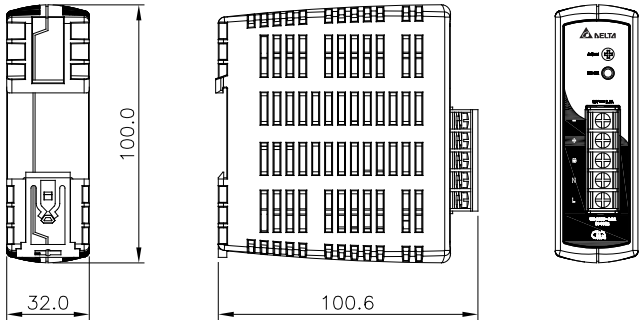
CliQ DIN Rail Power Supply

12V 30W 1 Phase

HIGHLIGHTS & FEATURES

- Enable multiple wire connection to terminals
- Easy installation
- Compact design for easy handling
- Overload, Overvoltage, and Over temperature protections
- Power Boost 150% for 3 seconds
- Redundancy: Yes (with External ORing Diode)
- With Conformal Coating (Class 1 Div 2 Hazard Loc Ready)
- RoHS Compliant

MECHANICAL DRAWING



TECHNICAL DATA

OUTPUT SPECIFICATIONS	
Output Voltage	12V
Output Voltage Range	11-14V
Output Current	2.50A
Output Power	30W
Residual Ripple / PARD (20MHz)	< 100mVpp @ 25°C
Hold-up Time	> 22ms @ 115Vac, > 110ms @ 230Vac
Line Regulation	< 0.5% typ. (@ 85-264Vac input, 100% load)
Load Regulation	< 1% typ. (@ 85-264Vac input, 0-100% load)
MECHANICAL	
Case Cover	Plastic
Dimensions (L x W x D)	100 x 32 x 100.6 mm
Unit Weight / Box	0.20kg
MTBF	> 300,000 hrs.
Noise	Sound pressure level (SPL) <40dBA
Cooling	Convection
Input / Output Terminal	M3.5 x 5 Pins (Rated 300V/15A)
Mounting Rail	Standard TS35 Mounting Rail
Shock Proof	IEC60068-2-27
Vibration	IEC60068-2-6
Protection Structure	IPX0

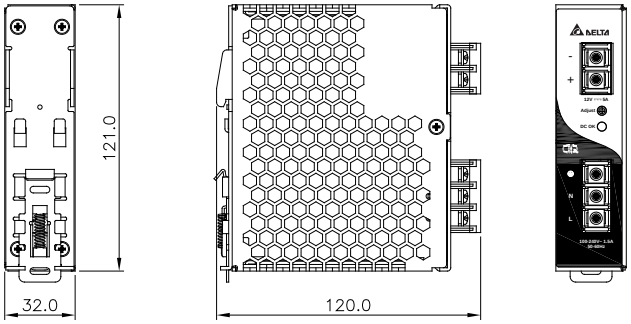
INPUT SPECIFICATIONS	
Input Voltage Range	85-264Vac (DC input range 120-375Vdc)
Input Frequency	47-63Hz
Nominal Current	< 0.70A @ 115Vac, < 0.42A @ 230Vac
Max Inrush Current	< 40A @ 115Vac, < 80A @ 230Vac
Power Factor	Conform to EN61000-3-2 STD
Efficiency	> 84.5%
Leakage Current	< 1mA @ 240Vac
SAFETY	
EMC / Emissions	CISPR22, EN55022, EN55011, FCC Title 47: Class B
Immunity	EN55024: 1998/A1:2001/A2:2003 Level 3; EN61000-4-2, Level 4 “Criteria A”
Safety Standard	UL508, CSA C22.2 No. 107.1-01, UL60950-1, CSA C22.2 No. 60950-1, EN60950-1, IEC60950, EN50178, IEC62103:2003, IEC60204:1998
Voltage Dips	Conform to EN61000-4-11
Derating	> 50°C derate power by 2.5% / °C; > 70°C derate power by 4% / °C

12V 60W 1 Phase

HIGHLIGHTS & FEATURES

- Enable multiple wire connection to terminals
- Easy installation
- Compact design for easy handling
- Overload, Overvoltage, and Over temperature protections
- Power Boost 150% for 3 seconds
- Redundancy: Yes (with External ORing Diode)
- With Conformal Coating (Class 1 Div 2 Hazard Loc Ready)
- RoHS Compliant

MECHANICAL DRAWING



TECHNICAL DATA

OUTPUT SPECIFICATIONS	
Output Voltage	12V
Output Voltage Range	11-14V
Output Current	5.00A
Output Power	60W
Residual Ripple / PARD (20MHz)	< 100mVpp @ 25°C
Hold-up Time	> 22ms @ 115Vac, > 110ms @ 230Vac
Line Regulation	< 0.5% typ. (@ 85-264Vac input, 100% load)
Load Regulation	< 1% typ. (@ 85-264Vac input, 0-100% load)
MECHANICAL	
Case Cover	Aluminium
Dimensions (L x W x D)	121 x 32 x 120 mm
Unit Weight / Box	0.33kg
MTBF	> 300,000 hrs.
Noise	Sound pressure level (SPL) <40dBA
Cooling	Convection
Input Terminal	M4 x 3 Pins (Rated 300V/20A)
Output Terminal	M4 x 2 Pins (Rated 300V/20A)
Mounting Rail	Standard TS35 Mounting Rail
Shock Proof	IEC60068-2-27
Vibration	IEC60068-2-6
Protection Structure	IPX0

INPUT SPECIFICATIONS	
Input Voltage Range	85-264Vac (DC input range 120-375Vdc)
Input Frequency	47-63Hz
Nominal Current	< 1.35A @ 115Vac, < 0.80A @ 230Vac
Max Inrush Current	< 50A @ 115Vac, < 100A @ 230Vac
Power Factor	Conform to EN61000-3-2 STD
Efficiency	> 85.5%
Leakage Current	< 1mA @ 240Vac
SAFETY	
EMC / Emissions	CISPR22, EN55022, EN55011, FCC Title 47: Class B
Immunity	EN55024: 1998/A1:2001/A2:2003 Level 3; EN61000-4-2, Level 4 “Criteria A”
Safety Standard	UL508, CSA C22.2 No. 107.1-01, UL60950-1, CSA C22.2 No. 60950-1, EN60950-1, IEC60950, EN50178, IEC62103:2003, IEC60204:1998
Voltage Dips	Conform to EN61000-4-11
Derating	> 50°C derate power by 2.5% / °C; > 70°C derate power by 4% / °C

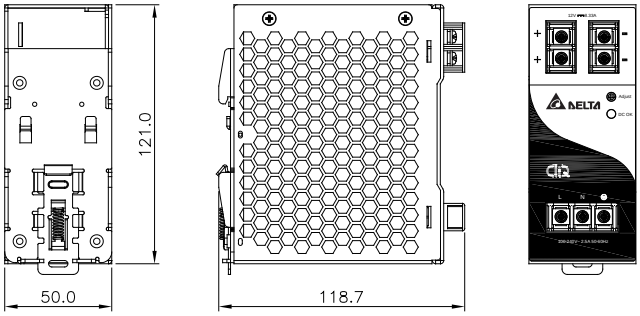
CliQ DIN Rail Power Supply

12V 100W 1 Phase

HIGHLIGHTS & FEATURES

- Enable multiple wire connection to terminals
- Easy installation
- Compact design for easy handling
- Overload, Overvoltage, and Over temperature protections
- Power Boost 150% for 3 seconds
- Redundancy: Yes (with External ORing Diode)
- With Conformal Coating (Class 1 Div 2 Hazard Loc Ready)
- RoHS Compliant

MECHANICAL DRAWING



TECHNICAL DATA

OUTPUT SPECIFICATIONS	
Output Voltage	12V
Output Voltage Range	11-14V
Output Current	8.33A
Output Power	100W
Residual Ripple / PARD (20MHz)	< 100mVpp @ 25°C
Hold-up Time	> 22ms @ 115Vac, > 110ms @ 230Vac
Line Regulation	< 0.5% typ. (@ 85-264Vac input, 100% load)
Load Regulation	< 1% typ. (@ 85-264Vac input, 0-100% load)
MECHANICAL	
Case Cover	Aluminium
Dimensions (L x W x D)	121 x 50 x 118.7 mm
Unit Weight / Box	0.64kg
MTBF	> 300,000 hrs.
Noise	Sound pressure level (SPL) <40dBA
Cooling	Convection
Input Terminal	M4 x 3 Pins (Rated 300V/20A)
Output Terminal	M4 x 2 Pins (Rated 300V/20A), 2 pcs.
Mounting Rail	Standard TS35 Mounting Rail
Shock Proof	IEC60068-2-27
Vibration	IEC60068-2-6
Protection Structure	IPX0

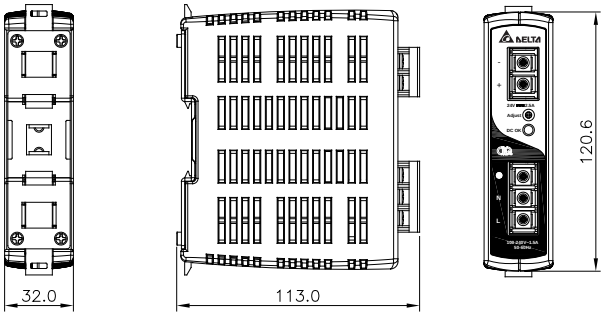
INPUT SPECIFICATIONS	
Input Voltage Range	85-264Vac (DC input range 120-375Vdc)
Input Frequency	47-63Hz
Nominal Current	< 2.50A @ 115Vac, < 1.50A @ 230Vac
Max Inrush Current	< 100A @ 115Vac, No Damage @ 230Vac
Power Factor	Conform to EN61000-3-2 STD
Efficiency	> 87.5%
Leakage Current	< 1mA @ 240Vac
SAFETY	
EMC / Emissions	CISPR22, EN55022, EN55011, FCC Title 47: Class B
Immunity	EN55024: 1998/A1:2001/A2:2003 Level 3; EN61000-4-2, Level 4 “Criteria A”
Safety Standard	UL508, CSA C22.2 No. 107.1-01, UL60950-1, CSA C22.2 No. 60950-1, EN60950-1, IEC60950, EN50178, IEC62103:2003, IEC60204:1998
Voltage Dips	Conform to EN61000-4-11
Derating	> 50°C derate power by 2.5% / °C; > 70°C derate power by 4% / °C

24V 60W 1 Phase Plastic

HIGHLIGHTS & FEATURES

- Enable multiple wire connection to terminals
- Easy installation
- Compact design for easy handling
- Overload, Overvoltage, and Over temperature protections
- Power Boost 150% for 3 seconds
- Redundancy: Yes (with DRR-20A & DRR-40A)
- With Conformal Coating (Class 1 Div 2 Hazard Loc Ready)
- RoHS Compliant

MECHANICAL DRAWING



TECHNICAL DATA

OUTPUT SPECIFICATIONS	
Output Voltage	24V
Output Voltage Range	22-28V
Output Current	2.50A
Output Power	60W
Residual Ripple / PARD (20MHz)	< 50mVpp / < 240mVpp @ 25°C
Hold-up Time	> 20ms @ 115Vac, > 125ms @ 230Vac
Line Regulation	< 0.5% typ. (@ 85-264Vac input, 100% load)
Load Regulation	< 1% typ. (@ 85-264Vac input, 0-100% load)
MECHANICAL	
Case Cover	Plastic
Dimensions (L x W x D)	120.6 x 32 x 113 mm
Unit Weight / Box	0.33kg
MTBF	> 800,000 hrs.
Noise	Sound pressure level (SPL) <40dBA
Cooling	Convection
Input Terminal	M4 x 3 Pins (Rated 300V/20A)
Output Terminal	M4 x 2 Pins (Rated 300V/20A)
Mounting Rail	Standard TS35 Mounting Rail
Shock Proof	IEC60068-2-27
Vibration	IEC60068-2-6
Protection Structure	IPX0

INPUT SPECIFICATIONS	
Input Voltage Range	85-264Vac (DC input range 120-375Vdc)
Input Frequency	47-63Hz
Nominal Current	< 1.10A @ 115Vac, < 0.70A @ 230Vac
Max Inrush Current	< 40A @ 115Vac, < 80A @ 230Vac
Power Factor	Conform to EN61000-3-2 STD
Efficiency	> 87.0%
Leakage Current	< 1mA @ 240Vac
SAFETY	
EMC / Emissions	CISPR22, EN55022, EN55011, FCC Title 47: Class B
Immunity	EN55024: 1998/A1:2001/A2:2003 Level 3; EN61000-4-2, Level 4 “Criteria A”
Safety Standard	UL508, CSA C22.2 No. 107.1-01, UL60950-1, CSA C22.2 No. 60950-1, EN60950-1, IEC60950, EN50178, IEC62103:2003, IEC60204:1998
Voltage Dips	Conform to EN61000-4-11
Derating	< 0°C to -20°C derate power by 1% / °C; > 50°C derate power by 2.5% / °C; > 70°C derate power by 4% / °C

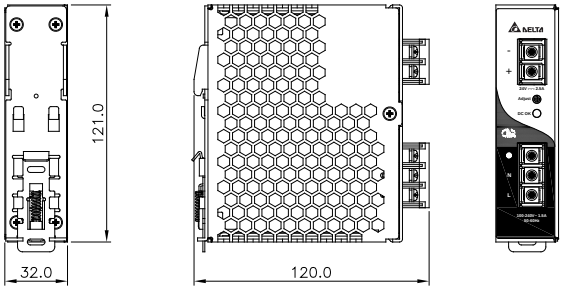
CliQ DIN Rail Power Supply

24V 60W 1 Phase

HIGHLIGHTS & FEATURES

- Enable multiple wire connection to terminals
- Easy installation
- Compact design for easy handling
- Overload, Overvoltage, and Over temperature protections
- Power Boost 150% for 3 seconds
- Redundancy: Yes (with DRR-20A & DRR-40A)
- With Conformal Coating (Class 1 Div 2 Hazard Loc)
- RoHS Compliant

MECHANICAL DRAWING



TECHNICAL DATA

OUTPUT SPECIFICATIONS	
Output Voltage	24V
Output Voltage Range	22-28V
Output Current	2.50A
Output Power	60W
Residual Ripple / PARD (20MHz)	< 50mVpp / < 240mVpp @ 25°C
Hold-up Time	> 20ms @ 115Vac, > 125ms @ 230Vac
Line Regulation	< 0.5% typ. (@ 85-264Vac input, 100% load)
Load Regulation	< 1% typ. (@ 85-264Vac input, 0-100% load)
MECHANICAL	
Case Cover	Aluminium
Dimensions (L x W x D)	121 x 32 x 120 mm
Unit Weight / Box	0.37kg
MTBF	> 800,000 hrs.
Noise	Sound pressure level (SPL) <40dBA
Cooling	Convection
Input Terminal	M4 x 3 Pins (Rated 300V/20A)
Output Terminal	M4 x 2 Pins (Rated 300V/20A)
Mounting Rail	Standard TS35 Mounting Rail
Shock Proof	IEC60068-2-27
Vibration	IEC60068-2-6
Protection Structure	IPX0

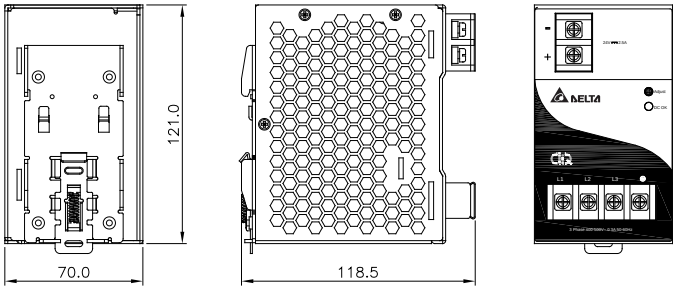
INPUT SPECIFICATIONS	
Input Voltage Range	85-264Vac (DC input range 120-375Vdc)
Input Frequency	47-63Hz
Nominal Current	< 1.10A @ 115Vac, < 0.70A @ 230Vac
Max Inrush Current	< 40A @ 115Vac, < 80A @ 230Vac
Power Factor	Conform to EN61000-3-2 STD
Efficiency	> 87.0%
Leakage Current	< 1mA @ 240Vac
SAFETY	
EMC / Emissions	CISPR22, EN55022, EN55011, FCC Title 47: Class B
Immunity	EN55024: 1998/A1:2001/A2:2003 Level 3; EN61000-4-2, Level 4 “Criteria A”
Safety Standard	UL508, CSA C22.2 No. 107.1-01, UL60950-1, CSA C22.2 No. 60950-1, EN60950-1, IEC60950, EN50178, IEC62103:2003, IEC60204:1998, SEMI F47, CSA C22.2 No. 213-M1987, ANSI/ISA 12.12.01:2007, Class 1 Div 2 T4 Hazardous Loc, ATEX
Voltage Dips	Conform to EN61000-4-11
Derating	< 0°C to -20°C derate power by 1% / °C > 50°C derate power by 2.5% / °C

24V 60W 3 Phase

HIGHLIGHTS & FEATURES

- Enable multiple wire connection to terminals
- Easy installation
- Compact design for easy handling
- Overload, Overvoltage, and Over temperature protections
- Power Boost 150% for 3 seconds
- Redundancy: Yes (with DRR-20A & DRR-40A)
- With Conformal Coating (Class 1 Div 2 Hazard Loc)
- RoHS Compliant

MECHANICAL DRAWING



TECHNICAL DATA

OUTPUT SPECIFICATIONS	
Output Voltage	24V
Output Voltage Range	22-28V
Output Current	2.50A
Output Power	60W
Residual Ripple / PARD (20MHz)	< 50mVpp / < 240mVpp @ 25°C
Hold-up Time	> 30ms @ 3 x 400Vac, > 60ms @ 3 x 500Vac
Line Regulation	< 0.5% typ. (@ 85-264Vac input, 100% load)
Load Regulation	< 1% typ. (@ 85-264Vac input, 0-100% load)
MECHANICAL	
Case Cover	Aluminium
Dimensions (L x W x D)	121 x 70 x118.5 mm
Unit Weight / Box	0.56kg
MTBF	> 500,000 hrs.
Noise	Sound pressure level (SPL) <40dBA
Cooling	Convection
Input Terminal	M4 x 4 Pins (Rated 600V/20A)
Output Terminal	M4 x 2 Pins (Rated 600V/20A)
Mounting Rail	Standard TS35 Mounting Rail
Shock Proof	IEC60068-2-27
Vibration	IEC60068-2-6
Protection Structure	IPX0

INPUT SPECIFICATIONS	
Input Voltage Range	320-575Vac (DC input range 450-800Vdc)
Input Frequency	47-63Hz
Nominal Current	< 0.30A / Phase @ 400Vac, < 0.20A / Phase @ 500Vac
Max Inrush Current	< 30A @ 3 x 400Vac & 3 x 500Vac
Power Factor	Conform to EN61000-3-2 STD
Efficiency	> 85.0%
Leakage Current	< 3.5mA @ 500Vac
SAFETY	
EMC / Emissions	CISPR22, EN55022, EN55011, FCC Title 47: Class B
Immunity	EN55024: 1998/A1:2001/A2:2003 Level 3; EN61000-4-2, Level 4 “Criteria A”
Safety Standard	UL508, CSA C22.2 No. 107.1-01, UL60950-1, CSA C22.2 No. 60950-1, EN60950-1, IEC60950, EN50178, IEC62103:2003, IEC60204:1998, SEMI F47, CSA C22.2 No. 213-M1987, ANSI/ISA 12.12.01:2007, Class 1 Div 2 T4 Hazardous Loc, ATEX
Voltage Dips	Conform to EN61000-4-11
Derating	> 50°C derate power by 2.5% / °C

CliQ DIN Rail Power Supply

24V 120W 1 Phase

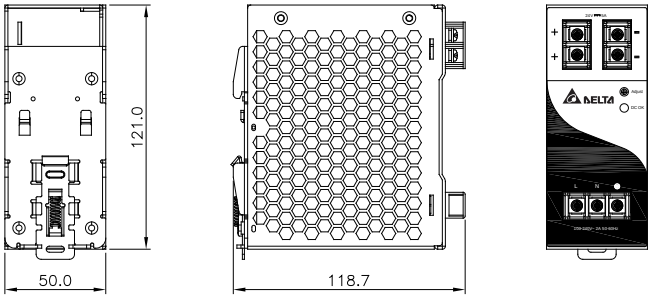
E191395

Class 1, Div. 2 Group A, B, C, D, T4

HIGHLIGHTS & FEATURES

- Enable multiple wire connection to terminals
- Easy installation
- Compact design for easy handling
- Overload, Overvoltage, and Over temperature protections
- Power Boost 150% for 3 seconds
- Redundancy: Yes (with DRR-20A & DRR-40A)
- With Conformal Coating (Class 1 Div 2 Hazard Loc)
- RoHS Compliant

MECHANICAL DRAWING



TECHNICAL DATA

OUTPUT SPECIFICATIONS	
Output Voltage	24V
Output Voltage Range	22-28V
Output Current	5.00A
Output Power	120W
Residual Ripple / PARD (20MHz)	< 50mVpp / < 240mVpp @ 25°C
Hold-up Time	> 35ms @ 115Vac, > 70ms @ 230Vac
Line Regulation	< 0.5% typ. (@ 85-264Vac input, 100% load)
Load Regulation	< 1% typ. (@ 85-264Vac input, 0-100% load)
MECHANICAL	
Case Cover	Aluminium
Dimensions (L x W x D)	121 x 50 x 118.7 mm
Unit Weight / Box	0.54kg
MTBF	> 800,000 hrs.
Noise	Sound pressure level (SPL) <40dBA
Cooling	Convection
Input Terminal	M4 x 3 Pins (Rated 300V/20A)
Output Terminal	M4 x 2 Pins (Rated 300V/20A), 2 pcs.
Mounting Rail	Standard TS35 Mounting Rail
Shock Proof	IEC60068-2-27
Vibration	IEC60068-2-6
Protection Structure	IPX0

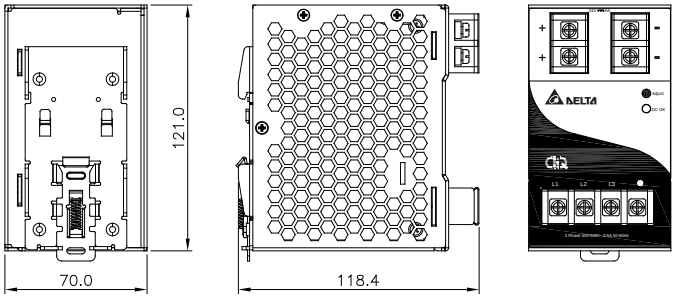
INPUT SPECIFICATIONS	
Input Voltage Range	85-264Vac (DC input range 120-375Vdc)
Input Frequency	47-63Hz
Nominal Current	< 1.40A @ 115Vac, < 0.80A @ 230Vac
Max Inrush Current	< 80A @ 115Vac, No Damage @ 230Vac
Power Factor	> 0.98 @ 115Vac, > 0.87 @ 230Vac
Efficiency	> 85.0%
Leakage Current	< 1mA @ 240Vac
SAFETY	
EMC / Emissions	CISPR22, EN55022, EN55011, FCC Title 47: Class B
Immunity	EN55024: 1998/A1:2001/A2:2003 Level 3; EN61000-4-2, Level 4 “Criteria A”
Safety Standard	UL508, CSA C22.2 No. 107.1-01, UL60950-1, CSA C22.2 No. 60950-1, EN60950-1, IEC60950, EN50178, IEC62103:2003, IEC60204:1998, SEMI F47, CSA C22.2 No. 213-M1987, ANSI/ISA 12.12.01:2007, Class 1 Div 2 T4 Hazardous Loc, ATEX
Voltage Dips	Conform to EN61000-4-11
Derating	> 50°C derate power by 2.5% / °C

24V 120W 3 Phase

HIGHLIGHTS & FEATURES

- Enable multiple wire connection to terminals
- Easy installation
- Compact design for easy handling
- Overload, Overvoltage, and Over temperature protections
- Power Boost 150% for 3 seconds
- Redundancy: Yes (with DRR-20A & DRR-40A)
- With Conformal Coating (Class 1 Div 2 Hazard Loc)
- RoHS Compliant

MECHANICAL DRAWING



TECHNICAL DATA

OUTPUT SPECIFICATIONS	
Output Voltage	24V
Output Voltage Range	22-28V
Output Current	5.00A
Output Power	120W
Residual Ripple / PARD (20MHz)	< 50mVpp / < 240mVpp @ 25°C
Hold-up Time	> 35ms @ 3 x 400Vac, > 70ms @ 3 x 500Vac
Line Regulation	< 0.5% typ. (@ 85-264Vac input, 100% load)
Load Regulation	< 1% typ. (@ 85-264Vac input, 0-100% load)
MECHANICAL	
Case Cover	Aluminium
Dimensions (L x W x D)	121 x 70 x118.4 mm
Unit Weight / Box	0.72kg
MTBF	> 500,000 hrs.
Noise	Sound pressure level (SPL) <40dBA
Cooling	Convection
Input Terminal	M4 x 4 Pins (Rated 600V/20A)
Output Terminal	M4 x 2 Pins (Rated 600V/20A), 2 pcs.
Mounting Rail	Standard TS35 Mounting Rail
Shock Proof	IEC60068-2-27
Vibration	IEC60068-2-6
Protection Structure	IPX0

INPUT SPECIFICATIONS	
Input Voltage Range	320-575Vac (DC input range 450-800Vdc)
Input Frequency	47-63Hz
Nominal Current	< 0.50A / Phase @ 400Vac, < 0.40A / Phase @ 500Vac
Max Inrush Current	< 30A @ 3 x 400Vac & 3 x 500Vac
Power Factor	Conform to EN61000-3-2 STD
Efficiency	> 85.0%
Leakage Current	< 3.5mA @ 500Vac
SAFETY	
EMC / Emissions	CISPR22, EN55022, EN55011, FCC Title 47: Class B
Immunity	EN55024: 1998/A1:2001/A2:2003 Level 3; EN61000-4-2, Level 4 “Criteria A”
Safety Standard	UL508, CSA C22.2 No. 107.1-01, UL60950-1, CSA C22.2 No. 60950-1, EN60950-1, IEC60950, EN50178, IEC62103:2003, IEC60204:1998, SEMI F47, CSA C22.2 No. 213-M1987, ANSI/ISA 12.12.01:2007, Class 1 Div 2 T4 Hazardous Loc, ATEX
Voltage Dips	Conform to EN61000-4-11
Derating	> 50°C derate power by 2.5% / °C

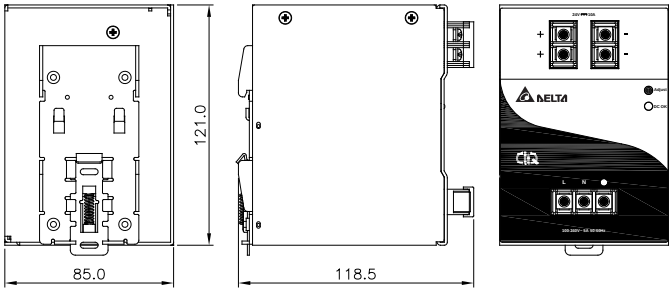
CliQ DIN Rail Power Supply

24V 240W 1 Phase

HIGHLIGHTS & FEATURES

- Enable multiple wire connection to terminals
- Easy installation
- Compact design for easy handling
- Overload, Overvoltage, and Over temperature protections
- Power Boost 150% for 3 seconds
- Redundancy: Yes (with DRR-20A & DRR-40A)
- With Conformal Coating (Class 1 Div 2 Hazard Loc)
- RoHS Compliant

MECHANICAL DRAWING



TECHNICAL DATA

OUTPUT SPECIFICATIONS	
Output Voltage	24V
Output Voltage Range	22-28V
Output Current	10.0A
Output Power	240W
Residual Ripple / PARD (20MHz)	< 50mVpp / < 240mVpp @ 25°C
Hold-up Time	> 20ms @ 115Vac & 230Vac
Line Regulation	< 0.5% typ. (@ 85-264Vac input, 100% load)
Load Regulation	< 1% typ. (@ 85-264Vac input, 0-100% load)
MECHANICAL	
Case Cover	Aluminium
Dimensions (L x W x D)	121 x 85 x 118.5 mm
Unit Weight / Box	1.04kg
MTBF	> 300,000 hrs.
Noise	Sound pressure level (SPL) <40dBA
Cooling	Convection
Input Terminal	M4 x 3 Pins (Rated 300V/20A)
Output Terminal	M4 x 2 Pins (Rated 300V/20A), 2 pcs.
Mounting Rail	Standard TS35 Mounting Rail
Shock Proof	IEC60068-2-27
Vibration	IEC60068-2-6
Protection Structure	IPX0

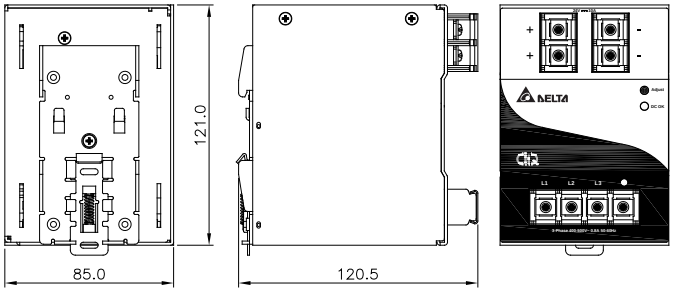
INPUT SPECIFICATIONS	
Input Voltage Range	85-264Vac (DC input range 120-375Vdc)
Input Frequency	47-63Hz
Nominal Current	< 2.90A @ 115Vac, < 1.50A @ 230Vac
Max Inrush Current	No Damage & I^2t rating at all I/P device shall not exceed their rating
Power Factor	> 0.96 @ 115Vac, > 0.90 @ 230Vac
Efficiency	> 85.0%
Leakage Current	< 1mA @ 240Vac
SAFETY	
EMC / Emissions	CISPR22, EN55022, EN55011, FCC Title 47: Class B
Immunity	EN55024: 1998/A1:2001/A2:2003 Level 3; EN61000-4-2, Level 4 “Criteria A”
Safety Standard	UL508, CSA C22.2 No. 107.1-01, UL60950-1, CSA C22.2 No. 60950-1, EN60950-1, IEC60950, EN50178, IEC62103:2003, IEC60204:1998, SEMI F47, CSA C22.2 No. 213-M1987, ANSI/ISA 12.12.01:2007, Class 1 Div 2 T4 Hazardous Loc, ATEX
Voltage Dips	Conform to EN61000-4-11
Derating	> 50°C derate power by 2.5% / °C; > 70°C derate power by 4% / °C

24V 240W 3 Phase

HIGHLIGHTS & FEATURES

- Enable multiple wire connection to terminals
- Easy installation
- Compact design for easy handling
- Overload, Overvoltage, and Over temperature protections
- Power Boost 150% for 3 seconds
- Redundancy: Yes (with DRR-20A & DRR-40A)
- With Conformal Coating (Class 1 Div 2 Hazard Loc)
- RoHS Compliant

MECHANICAL DRAWING



TECHNICAL DATA

OUTPUT SPECIFICATIONS	
Output Voltage	24V
Output Voltage Range	22-28V
Output Current	10.0A
Output Power	240W
Residual Ripple / PARD (20MHz)	< 50mVpp / < 240mVpp @ 25°C
Hold-up Time	> 35ms @ 3 x 400Vac, > 60ms @ 3 x 500Vac
Line Regulation	< 0.5% typ. (@ 85-264Vac input, 100% load)
Load Regulation	< 1% typ. (@ 85-264Vac input, 0-100% load)
MECHANICAL	
Case Cover	Aluminium
Dimensions (L x W x D)	121 x 85 x 120.5 mm
Unit Weight / Box	0.99kg
MTBF	> 300,000 hrs.
Noise	Sound pressure level (SPL) <40dBA
Cooling	Convection
Input Terminal	M4 x 4 Pins (Rated 600V/20A)
Output Terminal	M4 x 2 Pins (Rated 600V/20A), 2 pcs.
Mounting Rail	Standard TS35 Mounting Rail
Shock Proof	IEC60068-2-27
Vibration	IEC60068-2-6
Protection Structure	IPX0

INPUT SPECIFICATIONS	
Input Voltage Range	320-575Vac (DC input range 450-800Vdc)
Input Frequency	47-63Hz
Nominal Current	< 0.80A / Phase @ 400Vac, < 0.70A / Phase @ 500Vac
Max Inrush Current	< 40A @ 3 x 400Vac & 3 x 500Vac
Power Factor	Conform to EN61000-3-2 STD
Efficiency	> 87.0%
Leakage Current	< 3.5mA @ 500Vac
SAFETY	
EMC / Emissions	CISPR22, EN55022, EN55011, FCC Title 47: Class B
Immunity	EN55024: 1998/A1:2001/A2:2003 Level 3; EN61000-4-2, Level 4 “Criteria A”
Safety Standard	UL508, CSA C22.2 No. 107.1-01, UL60950-1, CSA C22.2 No. 60950-1, EN60950-1, IEC60950, EN50178, IEC62103:2003, IEC60204:1998, SEMI F47, CSA C22.2 No. 213-M1987, ANSI/ISA 12.12.01:2007, Class 1 Div 2 T4 Hazardous Loc, ATEX
Voltage Dips	Conform to EN61000-4-11
Derating	> 50°C derate power by 2.5% / °C; > 70°C derate power by 4% / °C

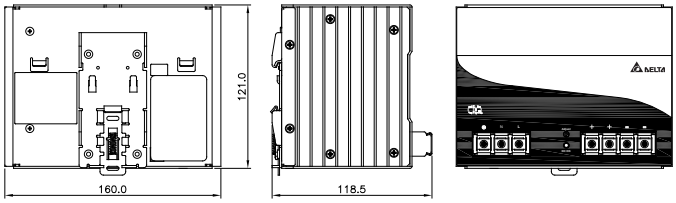
CliQ DIN Rail Power Supply

24V 480W 1 Phase

HIGHLIGHTS & FEATURES

- Enable multiple wire connection to terminals
- Easy installation
- Compact design for easy handling
- Overload, Overvoltage, and Over temperature protections
- Power Boost 150% for 3 seconds
- Redundancy: Yes (with DRR-40A)
- With Conformal Coating (Class 1 Div 2 Hazard Loc)
- RoHS Compliant

MECHANICAL DRAWING



TECHNICAL DATA

OUTPUT SPECIFICATIONS	
Output Voltage	24V
Output Voltage Range	22-28V
Output Current	20.0A
Output Power	480W
Residual Ripple / PARD (20MHz)	< 50mVpp / < 240mVpp @ 25°C
Hold-up Time	> 20ms @ 115Vac & 230Vac
Line Regulation	< 0.5% typ. (@ 85-264Vac input, 100% load)
Load Regulation	< 1% typ. (@ 85-264Vac input, 0-100% load)
MECHANICAL	
Case Cover	Aluminium
Dimensions (L x W x D)	121 x 160 x 118.5 mm
Unit Weight / Box	1.80kg
MTBF	> 300,000 hrs.
Noise	Sound pressure level (SPL) <40dBA
Cooling	Convection
Input Terminal	M4 x 3 Pins (Rated 300V/20A)
Output Terminal	M4 x 4 Pins (Rated 300V/20A)
Mounting Rail	Standard TS35 Mounting Rail
Shock Proof	IEC60068-2-27
Vibration	IEC60068-2-6
Protection Structure	IPX0

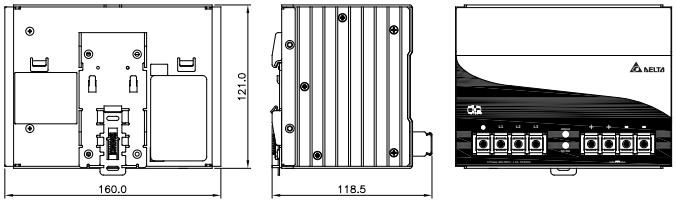
INPUT SPECIFICATIONS	
Input Voltage Range	85-264Vac (DC input range 120-375Vdc)
Input Frequency	47-63Hz
Nominal Current	< 5.70A @ 115Vac, < 2.80A @ 230Vac
Max Inrush Current	No Damage & I^2t rating at all I/P device shall not exceed their rating
Power Factor	> 0.97 @ 115Vac, > 0.90 @ 230Vac
Efficiency	> 85.0%
Leakage Current	< 1.25mA @ 240Vac
SAFETY	
EMC / Emissions	CISPR22, EN55022, EN55011, FCC Title 47: Class B
Immunity	EN55024: 1998/A1:2001/A2:2003 Level 3; EN61000-4-2, Level 4 “Criteria A”
Safety Standard	UL508, CSA C22.2 No. 107.1-01, UL60950-1, CSA C22.2 No. 60950-1, EN60950-1, IEC60950, EN50178, IEC62103:2003, IEC60204:1998, SEMI F47, CSA C22.2 No. 213-M1987, ANSI/ISA 12.12.01:2007, Class 1 Div 2 T4 Hazardous Loc, ATEX
Voltage Dips	Conform to EN61000-4-11
Derating	> 50°C derate power by 2.5% / °C

24V 480W 3 Phase

HIGHLIGHTS & FEATURES

- Enable multiple wire connection to terminals
- Easy installation
- Compact design for easy handling
- Overload, Overvoltage, and Over temperature protections
- Power Boost 150% for 3 seconds
- Redundancy: Yes (with DRR-40A)
- With Conformal Coating (Class 1 Div 2 Hazard Loc)
- RoHS Compliant

MECHANICAL DRAWING



TECHNICAL DATA

OUTPUT SPECIFICATIONS	
Output Voltage	24V
Output Voltage Range	22-28V
Output Current	20.0A
Output Power	480W
Residual Ripple / PARD (20MHz)	< 50mVpp / < 240mVpp @ 25°C
Hold-up Time	> 25ms @ 3 x 400Vac, > 50ms @ 3 x 500Vac
Line Regulation	< 0.5% typ. (@ 85-264Vac input, 100% load)
Load Regulation	< 1% typ. (@ 85-264Vac input, 0-100% load)
MECHANICAL	
Case Cover	Aluminium
Dimensions (L x W x D)	121 x 160 x 118.5 mm
Unit Weight / Box	1.71kg
MTBF	> 300,000 hrs.
Noise	Sound pressure level (SPL) <40dBA
Cooling	Convection
Input Terminal	M4 x 4 Pins (Rated 600V/20A)
Output Terminal	M4 x 4 Pins (Rated 600V/20A)
Mounting Rail	Standard TS35 Mounting Rail
Shock Proof	IEC60068-2-27
Vibration	IEC60068-2-6
Protection Structure	IPX0

INPUT SPECIFICATIONS	
Input Voltage Range	320-575Vac (DC input range 450-800Vdc)
Input Frequency	47-63Hz
Nominal Current	< 1.60A / Phase @ 400Vac, < 1.10A / Phase @ 500Vac
Max Inrush Current	< 50A @ 3 x 400Vac & 3 x 500Vac
Power Factor	Conform to EN61000-3-2 STD
Efficiency	> 87.0%
Leakage Current	< 3.5mA @ 500Vac
SAFETY	
EMC / Emissions	CISPR22, EN55022, EN55011, FCC Title 47: Class B
Immunity	EN55024: 1998/A1:2001/A2:2003 Level 3; EN61000-4-2, Level 4 “Criteria A”
Safety Standard	UL508, CSA C22.2 No. 107.1-01, UL60950-1, CSA C22.2 No. 60950-1, EN60950-1, IEC60950, EN50178, IEC62103:2003, IEC60204:1998, SEMI F47, CSA C22.2 No. 213-M1987, ANSI/ISA 12.12.01:2007, Class 1 Div 2 T4 Hazardous Loc, ATEX
Voltage Dips	Conform to EN61000-4-11
Derating	> 50°C derate power by 2.5% / °C

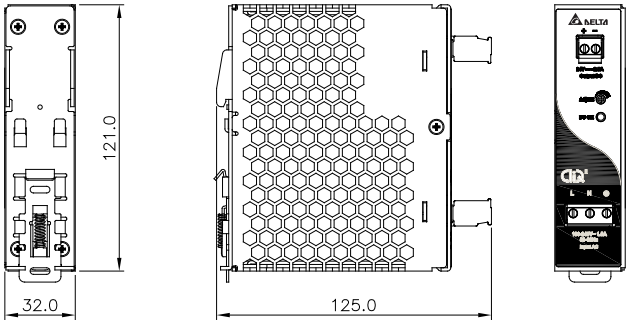
CliQ II DIN Rail Power Supply

24V 60W 1 Phase

HIGHLIGHTS & FEATURES

- Fast wiring and easy installation
- Compact design for easy handling
- Overload, Overvoltage, and Over temperature protections
- Power Boost 150% for 5 seconds
- Redundancy: Yes (with DRR-20A & DRR-40A)
- With Conformal Coating (Class 1 Div 2 Hazard Loc Ready)
- Meets Energy Star Level V
- RoHS & IP20 Compliant

MECHANICAL DRAWING



TECHNICAL DATA

OUTPUT SPECIFICATIONS	
Output Voltage	24V
Output Voltage Range	24-28V
Output Current	2.50A
Output Power	60W
Residual Ripple / PARD (20MHz)	< 50mVpp / < 150mVpp @ 25°C
Hold-up Time	> 20ms @ 115Vac, > 125ms @ 230Vac
Line Regulation	< 0.5% typ. (@ 85-264Vac input, 100% load)
Load Regulation	< 1% typ. (@ 85-264Vac input, 0-100% load)
MECHANICAL	
Case Cover	Aluminium
Dimensions (L x W x D)	121 x 32 x 125 mm
Unit Weight / Box	0.37kg
MTBF	> 1,000,000 hrs.
Noise	Sound pressure level (SPL) <40dBA
Cooling	Convection
Input Terminal	Pluggable Connector 3 Pins (Rated 300V/15A)
Output Terminal	Pluggable Connector 2 Pins (Rated 300V/15A)
Mounting Rail	Standard TS35 Mounting Rail
Shock Proof	IEC60068-2-27
Vibration	IEC60068-2-6
Protection Structure	IP20

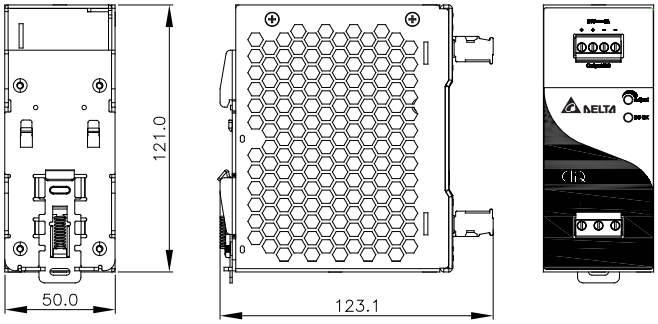
INPUT SPECIFICATIONS	
Input Voltage Range	85-264Vac (DC input range 120-375Vdc)
Input Frequency	47-63Hz
Nominal Current	< 1.40A @ 115Vac, < 0.80A @ 230Vac
Max Inrush Current	< 20A @ 115Vac, < 35A @ 230Vac
Power Factor	Conform to EN61000-3-2 STD
Efficiency	> 89.0%
Leakage Current	< 1mA @ 240Vac
SAFETY	
EMC / Emissions	CISPR22, EN55022, EN55011, FCC Title 47: Class B
Immunity	EN55024: 1998/A1:2001/A2:2003 Level 3; EN61000-4-2, Level 4 “Criteria A”
Safety Standard	UL508, CSA C22.2 No. 107.1-01, UL60950-1, CSA C22.2 No. 60950-1, EN60950-1, IEC60950, EN50178, IEC62103:2003, IEC60204:1998
Voltage Dips	Conform to EN61000-4-11
Derating	> 50°C derate power by 2.5% / °C

24V 120W 1 Phase

HIGHLIGHTS & FEATURES

- Fast wiring and easy installation
- Compact design for easy handling
- Overload, Overvoltage, and Over temperature protections
- Power Boost 150% for 5 seconds
- Redundancy: Yes (with DRR-20A & DRR-40A)
- With Conformal Coating (Class 1 Div 2 Hazard Loc Ready)
- RoHS Compliant
- IP20 Compliant

MECHANICAL DRAWING



TECHNICAL DATA

OUTPUT SPECIFICATIONS	
Output Voltage	24V
Output Voltage Range	24-28V
Output Current	5.00A
Output Power	120W
Residual Ripple / PARD (20MHz)	< 50mVpp / < 150mVpp @ 25°C
Hold-up Time	> 20ms @ 115Vac, > 115ms @ 230Vac
Line Regulation	< 0.5% typ. (@ 85-264Vac input, 100% load)
Load Regulation	< 1% typ. (@ 85-264Vac input, 0-100% load)
MECHANICAL	
Case Cover	Aluminium
Dimensions (L x W x D)	121 x 50 x 123.1 mm
Unit Weight / Box	0.72kg
MTBF	> 800,000 hrs.
Noise	Sound pressure level (SPL) <40dBA
Cooling	Convection
Input Terminal	Pluggable Connector 3 Pins (Rated 300V/15A)
Output Terminal	Pluggable Connector 4 Pins (Rated 300V/15A)
Mounting Rail	Standard TS35 Mounting Rail
Shock Proof	IEC60068-2-27
Vibration	IEC60068-2-6
Protection Structure	IP20

INPUT SPECIFICATIONS	
Input Voltage Range	85-264Vac (DC input range 120-375Vdc)
Input Frequency	47-63Hz
Nominal Current	< 2.20A @ 115Vac, < 1.10A @ 230Vac
Max Inrush Current	< 35A @ 115Vac & 230Vac
Power Factor	Conform to EN61000-3-2 STD
Efficiency	> 89.0%
Leakage Current	< 1mA @ 240Vac
SAFETY	
EMC / Emissions	CISPR22, EN55022, EN55011, FCC Title 47: Class B
Immunity	EN55024: 1998/A1:2001/A2:2003 Level 3; EN61000-4-2, Level 4 “Criteria A”
Safety Standard	UL508, CSA C22.2 No. 107.1-01, UL60950-1, CSA C22.2 No. 60950-1, EN60950-1, IEC60950, EN50178, IEC62103:2003, IEC60204:1998
Voltage Dips	Conform to EN61000-4-11
Derating	> 50°C derate power by 2.5% / °C

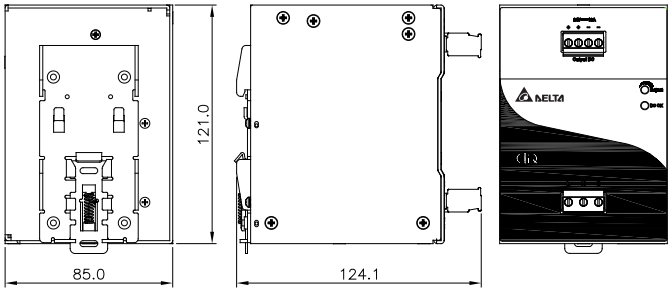
CliQ II DIN Rail Power Supply

24V 240W 1 Phase

HIGHLIGHTS & FEATURES

- Fast wiring and easy installation
- Compact design for easy handling
- Overload, Overvoltage, and Over temperature protections
- Power Boost 150% for 5 seconds
- Redundancy: Yes (with DRR-20A & DRR-40A)
- With Conformal Coating (Class 1 Div 2 Hazard Loc Ready)
- RoHS Compliant
- IP20 Compliant

MECHANICAL DRAWING



TECHNICAL DATA

OUTPUT SPECIFICATIONS	
Output Voltage	24V
Output Voltage Range	24-28V
Output Current	10.0A
Output Power	240W
Residual Ripple / PARD (20MHz)	< 50mVpp / < 150mVpp @ 25°C
Hold-up Time	> 20ms @ 115Vac & 230Vac
Line Regulation	< 0.5% typ. (@ 85-264Vac input, 100% load)
Load Regulation	< 1% typ. (@ 85-264Vac input, 0-100% load)
MECHANICAL	
Case Cover	Aluminium
Dimensions (L x W x D)	121 x 85 x 124.1 mm
Unit Weight / Box	1.10kg
MTBF	> 500,000 hrs.
Noise	Sound pressure level (SPL) <40dBA
Cooling	Convection
Input Terminal	Pluggable Connector 3 Pins (Rated 300V/15A)
Output Terminal	Pluggable Connector 4 Pins (Rated 300V/15A)
Mounting Rail	Standard TS35 Mounting Rail
Shock Proof	IEC60068-2-27
Vibration	IEC60068-2-6
Protection Structure	IP20

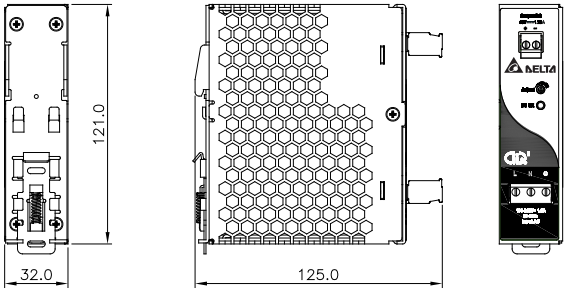
INPUT SPECIFICATIONS	
Input Voltage Range	85-264Vac (DC input range 120-375Vdc)
Input Frequency	47-63Hz
Nominal Current	< 2.50A @ 115Vac, < 1.30A @ 230Vac
Max Inrush Current	< 35A @ 115Vac & 230Vac
Power Factor	> 0.96 @ 115Vac, > 0.90 @ 230Vac
Efficiency	> 89.0%
Leakage Current	< 1mA @ 240Vac
SAFETY	
EMC / Emissions	CISPR22, EN55022, EN55011, FCC Title 47: Class B
Immunity	EN55024: 1998/A1:2001/A2:2003 Level 3; EN61000-4-2, Level 4 “Criteria A”
Safety Standard	UL508, CSA C22.2 No. 107.1-01, UL60950-1, CSA C22.2 No. 60950-1, EN60950-1, IEC60950, EN50178, IEC62103:2003, IEC60204:1998
Voltage Dips	Conform to EN61000-4-11
Derating	> 50°C derate power by 2.5% / °C

48V 60W 1 Phase

HIGHLIGHTS & FEATURES

- Fast wiring and easy installation
- Compact design for easy handling
- Overload, Overvoltage, and Over temperature protections
- Power Boost 150% for 5 seconds
- Redundancy: Yes (with DRR-20A & DRR-40A)
- With Conformal Coating (Class 1 Div 2 Hazard Loc Ready)
- Meets Energy Star Level V
- RoHS & IP20 Compliant

MECHANICAL DRAWING



TECHNICAL DATA

OUTPUT SPECIFICATIONS	
Output Voltage	48V
Output Voltage Range	48-56V
Output Current	1.25A
Output Power	60W
Residual Ripple / PARD (20MHz)	< 100mVpp / < 200mVpp @ 25°C
Hold-up Time	> 20ms @ 115Vac, > 125ms @ 230Vac
Line Regulation	< 0.5% typ. (@ 85-264Vac input, 100% load)
Load Regulation	< 1% typ. (@ 85-264Vac input, 0-100% load)
MECHANICAL	
Case Cover	Aluminium
Dimensions (L x W x D)	121 x 32 x 125 mm
Unit Weight / Box	0.38kg
MTBF	> 1,000,000 hrs.
Noise	Sound pressure level (SPL) <40dBA
Cooling	Convection
Input Terminal	Pluggable Connector 3 Pins (Rated 300V/15A)
Output Terminal	Pluggable Connector 2 Pins (Rated 300V/15A)
Mounting Rail	Standard TS35 Mounting Rail
Shock Proof	IEC60068-2-27
Vibration	IEC60068-2-6
Protection Structure	IP20

INPUT SPECIFICATIONS	
Input Voltage Range	85-264Vac (DC input range 120-375Vdc)
Input Frequency	47-63Hz
Nominal Current	< 1.40A @ 115Vac, < 0.80A @ 230Vac
Max Inrush Current	< 20A @ 115Vac, < 35A @ 230Vac
Power Factor	Conform to EN61000-3-2 STD
Efficiency	> 89.0%
Leakage Current	< 1mA @ 240Vac
SAFETY	
EMC / Emissions	CISPR22, EN55022, EN55011, FCC Title 47: Class B
Immunity	EN55024: 1998/A1:2001/A2:2003 Level 3; EN61000-4-2, Level 4 “Criteria A”
Safety Standard	UL508, CSA C22.2 No. 107.1-01, UL60950-1, CSA C22.2 No. 60950-1, EN60950-1, IEC60950, EN50178, IEC62103:2003, IEC60204:1998
Voltage Dips	Conform to EN61000-4-11
Derating	> 50°C derate power by 2.5% / °C

CliQ II DIN Rail Power Supply

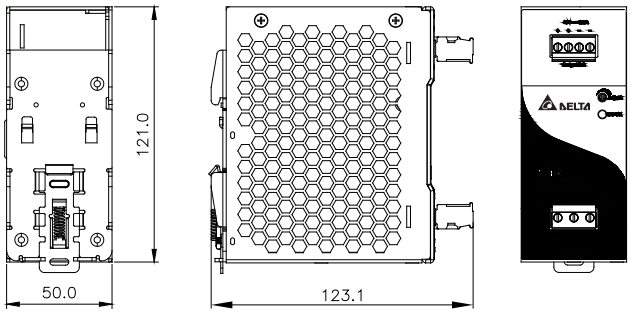
48V 120W 1 Phase

E191395

HIGHLIGHTS & FEATURES

- Fast wiring and easy installation
- Compact design for easy handling
- Overload, Overvoltage, and Over temperature protections
- Power Boost 150% for 5 seconds
- Redundancy: Yes (with DRR-20A & DRR-40A)
- With Conformal Coating (Class 1 Div 2 Hazard Loc Ready)
- RoHS Compliant
- IP20 Compliant

MECHANICAL DRAWING



TECHNICAL DATA

OUTPUT SPECIFICATIONS	
Output Voltage	48V
Output Voltage Range	48-56V
Output Current	2.50A
Output Power	120W
Residual Ripple / PARD (20MHz)	< 100mVpp / < 200mVpp @ 25°C
Hold-up Time	> 20ms @ 115Vac, > 50ms @ 230Vac
Line Regulation	< 0.5% typ. (@ 85-264Vac input, 100% load)
Load Regulation	< 1% typ. (@ 85-264Vac input, 0-100% load)
MECHANICAL	
Case Cover	Aluminium
Dimensions (L x W x D)	121 x 50 x 123.1 mm
Unit Weight / Box	0.72kg
MTBF	> 600,000 hrs.
Noise	Sound pressure level (SPL) <40dBA
Cooling	Convection
Input Terminal	Pluggable Connector 3 Pins (Rated 300V/15A)
Output Terminal	Pluggable Connector 4 Pins (Rated 300V/15A)
Mounting Rail	Standard TS35 Mounting Rail
Shock Proof	IEC60068-2-27
Vibration	IEC60068-2-6
Protection Structure	IP20

INPUT SPECIFICATIONS	
Input Voltage Range	85-264Vac (DC input range 120-375Vdc)
Input Frequency	47-63Hz
Nominal Current	< 2.20A @ 115Vac, < 1.10A @ 230Vac
Max Inrush Current	< 35A @ 115Vac & 230Vac
Power Factor	> 0.99 @ 115Vac, > 0.93 @ 230Vac
Efficiency	> 89.0%
Leakage Current	< 1mA @ 240Vac
SAFETY	
EMC / Emissions	CISPR22, EN55022, EN55011, FCC Title 47: Class B
Immunity	EN55024: 1998/A1:2001/A2:2003 Level 3; EN61000-4-2, Level 4 “Criteria A”
Safety Standard	UL508, CSA C22.2 No. 107.1-01, UL60950-1, CSA C22.2 No. 60950-1, EN60950-1, IEC60950, EN50178, IEC62103:2003, IEC60204:1998
Voltage Dips	Conform to EN61000-4-11
Derating	> 50°C derate power by 2.5% / °C

20A & 40A Redundancy Modules

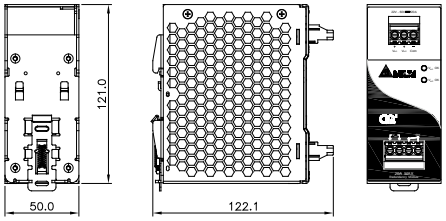
E191395 E315355

HIGHLIGHTS & FEATURES

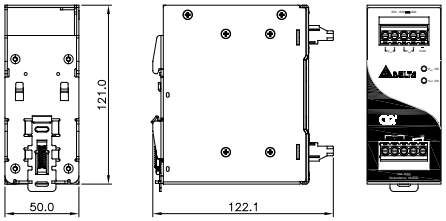
- Full corrosion resistant Auminium chassis even with deep scratches caused by rugged handling
- Wide input range
- Built-in DC OK signal and relay
- With Conformal Coating (Class 1 Div 2 Hazard Loc Ready)
- RoHS & IP20 Compliant

MECHANICAL DRAWING

DRR-20A



DRR-40A



TECHNICAL DATA

OUTPUT SPECIFICATIONS	DRR-20A	DRR-40A
Output Current	Normal mode = 0-20Amps; Short circuit or Overload = 25Amps max.	Normal mode = 0-40Amps; Short circuit or Overload = 50Amps max.
Voltage Drop (V_{in} - V_{out})	0.65V typ.	

MECHANICAL	DRR-20A	DRR-40A
Case Cover	Aluminium	
Dimensions (L x W x H)	121 x 50 x 122.1 mm	
Unit Weight / Box	0.38kg	0.52kg
MTBF	> 800,000 hrs.	
Signals	Green LED DC OK	
Protection Structure	IP20	

INPUT SPECIFICATIONS	DRR-20A	DRR-40A
Input Voltage Range	22-60V	
Input Current	(1+1 Redundancy) = Nom. 2 x 12.5Amps (N+1 Redundancy) = Nom. 2 x 10Amps (Single use) = Nom. 20Amps	(1+1 Redundancy) = Nom 2 x 25Amps (N+1 Redundancy) = Nom. 2 x 20Amps (Single use) = Nom. 40Amps

SAFETY	DRR-20A	DRR-40A
Safety Standard	UL508, CSA C22.2 No. 107.1-01, UL60950-1, CSA C22.2 No. 60950-1, EN60950-1, IEC60950, EN50178, IEC62103:2003, IEC60204:1998	
Operating Ambient Temperature	-40°C ~ +80°C	
Storage Temperature	-40°C ~ +85°C	
Operating Humidity	< 95% RH (Non-Condensing)	
Derating	> 50°C derate power by 2.5% / °C	

CliQ DIN Rail Power Supply
Product Specifications

1 Phase 12V CliQ DIN Rail Power Supply

OUTPUT (DC)	DRP012V015W1AZ	DRP012V030W1AZ	DRP012V060W1AA	DRP012V100W1AA
Output Voltage	12V	12V	12V	12V
Output Voltage Range	11-14V	11-14V	11-14V	11-14V
Output Current	1.25A	2.50A	5.00A	8.33A
Output Power	15W	30W	60W	100W
Residual Ripple / PARD (20MHz)	< 100mVpp @ 25°C	< 100mVpp @ 25°C	< 100mVpp @ 25°C	< 100mVpp @ 25°C
Hold-up Time	> 22ms @ 115Vac, > 110ms @ 230Vac			
Line Regulation	< 0.5% typ. (@ 85-264Vac input, 100% load)			
Load Regulation	< 1% typ. (@ 85-264Vac input, 0-100% load)			
INPUT (AC)				
Input Voltage Range	85-264Vac (DC input range 120-375Vdc)			
Input Frequency	47-63Hz	47-63Hz	47-63Hz	47-63Hz
Nominal Current	< 0.37A @ 115Vac, < 0.22A @ 230Vac	< 0.70A @ 115Vac, < 0.42A @ 230Vac	< 1.35A @ 115Vac, < 0.80A @ 230Vac	< 2.50A @ 115Vac, < 1.50A @ 230Vac
Max Inrush Current	< 30A @ 115Vac, < 65A @ 230Vac	< 40A @ 115Vac, < 80A @ 230Vac	< 50A @ 115Vac, < 100A @ 230Vac	< 100A @ 115Vac, No Damage @ 230Vac
Power Factor	Conform to EN61000-3-2 STD			
Efficiency	> 83.0%	> 84.5%	> 85.5%	> 87.5%
Leakage Current	< 1mA @ 240Vac			
MECHANICAL				
Case Cover	Plastic	Plastic	Aluminium	Aluminium
Dimensions (L x W x D)	100 x 32 x 100.6 mm		121 x 32 x 120 mm	121 x 50 x 118.7 mm
Unit Weight / Box	0.18kg	0.20kg	0.33kg	0.64kg
MTBF	> 300,000 hrs.	> 300,000 hrs.	> 300,000 hrs.	> 300,000 hrs.
Noise	Sound pressure level (SPL) <40dBA			
Cooling	Convection			
Input Terminal	M3.5 x 5 Pins (Rated 300V/15A)	M3.5 x 5 Pins (Rated 300V/15A)	M4 x 3 Pins (Rated 300V/20A)	M4 x 3 Pins (Rated 300V/20A)
Output Terminal	M3.5 x 5 Pins (Rated 300V/15A)	M3.5 x 5 Pins (Rated 300V/15A)	M4 x 2 Pins (Rated 300V/20A)	M4 x 2 Pins (Rated 300V/20A), 2 pcs.
Mounting Rail	Standard TS35 Mounting Rail			
Shock Proof	IEC60068-2-27			
Vibration	IEC60068-2-6			
Protection Structure	IPX0			
SAFETY				
EMC / Emissions	CISPR22, EN55022, EN55011, FCC Title 47: Class B			
Immunity	EN55024: 1998/A1:2001/A2:2003 Level 3; EN61000-4-2, Level 4 “Criteria A”			
Safety Standard	UL508, CSA C22.2 No. 107.1-01, UL60950-1, CSA C22.2 No. 60950-1, EN60950-1, IEC60950, EN50178, IEC62103:2003, IEC60204:1998			
Voltage Dips	Conform to EN61000-4-11			
Galvanic Isolation	Input to Output: 4KVac Input to Ground: 1.5KVac Output to Ground: 1.5KVac			
Operating Ambient Temperature	-20°C ~ +75°C			
Storage Temperature	-25°C ~ +85°C			
Operating Humidity	< 95% RH (Non-Condensing)			
Derating	> 50°C derate power by 2.5% / °C; > 70°C derate power by 4% / °C			
Warranty	3 Years			
Reference Number	EOE11010156	EOE11010158	EOE11010159	EOE11010160

1 Phase 24V CliQ DIN Rail Power Supply

DRP024V060W1AZ	DRP024V060W1AA	DRP024V120W1AA	DRP024V240W1AA	DRP024V480W1AA
24V	24V	24V	24V	24V
22-28V	22-28V	22-28V	22-28V	22-28V
2.50A	2.50A	5.00A	10.0A	20.0A
60W	60W	120W	240W	480W
< 50mVpp / 240mVpp @ 25°C	< 50mVpp / 240mVpp @ 25°C	< 50mVpp / 240mVpp @ 25°C	< 50mVpp / 240mVpp @ 25°C	< 50mVpp / 240mVpp @ 25°C
> 20ms @ 115Vac, > 125ms @ 230Vac		> 35ms @ 115Vac, > 70ms @ 230Vac	> 20ms @ 115Vac & 230Vac	
< 0.5% typ. (@ 85-264Vac input, 100% load)				
< 1% typ. (@ 85-264Vac input, 0-100% load)				
85-264Vac (DC input range 120-375Vdc)				
47-63Hz	47-63Hz	47-63Hz	47-63Hz	47-63Hz
< 1.10A @ 115Vac, < 0.70A @ 230Vac		< 1.40A @ 115Vac, < 0.80A @ 230Vac	< 2.90A @ 115Vac, < 1.50A @ 230Vac	< 5.70A @ 115Vac, < 2.80A @ 230Vac
< 40A @ 115Vac, < 80A @ 230Vac		< 80A @ 115Vac, No Damage @ 230Vac	No Damage & I²t rating at all I/P device shall not exceed their rating	
Conform to EN61000-3-2 STD		> 0.98 @ 115Vac, > 0.87 @ 230Vac	> 0.96 @ 115Vac, > 0.90 @ 230Vac	> 0.97 @ 115Vac, > 0.90 @ 230Vac
> 87.0%		> 85.0%	> 85.0%	> 85.0%
< 1mA @ 240Vac				
Plastic	Aluminium	Aluminium	Aluminium	Aluminium
120.6 x 32 x 113 mm	121 x 32 x 120 mm	121 x 50 x 118.7 mm	121 x 85 x 118.5 mm	121 x 160 x 118.5 mm
0.33kg	0.37kg	0.54kg	1.04kg	1.80kg
> 800,000 hrs.	> 800,000 hrs.	> 800,000 hrs.	> 300,000 hrs.	> 300,000 hrs.
Sound pressure level (SPL) <40dBA				
Convection				
M4 x 3 Pins (Rated 300V/20A)	M4 x 3 Pins (Rated 300V/20A)	M4 x 3 Pins (Rated 300V/20A)	M4 x 3 Pins (Rated 300V/20A)	M4 x 3 Pins (Rated 300V/20A)
M4 x 2 Pins (Rated 300V/20A)	M4 x 2 Pins (Rated 300V/20A)	M4 x 2 Pins (Rated 300V/20A), 2 pcs.	M4 x 2 Pins (Rated 300V/20A), 2 pcs.	M4 x 4 Pins (Rated 300V/20A)
Standard TS35 Mounting Rail				
IEC60068-2-27				
IEC60068-2-6				
IPX0				
CISPR22, EN55022, EN55011, FCC Title 47: Class B				
EN55024: 1998/A1:2001/A2:2003 Level 3; EN61000-4-2, Level 4 “Criteria A”				
UL508, CSA C22.2 No. 107.1-01, UL60950-1, CSA C22.2 No. 60950-1, EN60950-1, IEC60950, EN50178, IEC62103:2003, IEC60204:1998, SEMI F47, CSA C22.2 No. 213-M1987, ANSI/ISA 12.12.01:2007, Class 1 Div 2 T4 Hazardous Loc, ATEX (except DRP024V0601AZ)				
Conform to EN61000-4-11				
Input to Output: 4KVac Input to Ground: 1.5KVac Output to Ground: 1.5KVac				
-20°C ~ +75°C				
-25°C ~ +85°C				
< 95% RH (Non-Condensing)				
< 0°C to -20°C derate power by 1% / °C; > 50°C derate power by 2.5% / °C; > 70°C derate power by 4% / °C	< 0°C to -20°C derate power by 1% / °C; > 50°C derate power by 2.5% / °C	> 50°C derate power by 2.5% / °C	> 50°C derate power by 2.5% / °C; > 70°C derate power by 4% / °C	> 50°C derate power by 2.5% / °C
3 Years				
D0116888	EOE11010006	EOE12010002	EOE12010005	EOE13010007

CliQ DIN Rail Power Supply
Product Specifications

3 Phase 24V CliQ DIN Rail Power Supply

OUTPUT (DC)	DRP024V060W3AA	DRP024V120W3AA	DRP024V240W3AA	DRP024V480W3AA
Output Voltage	24V	24V	24V	24V
Output Voltage Range	22-28V	22-28V	22-28V	22-28V
Output Current	2.50A	5.00A	10.0A	20.0A
Output Power	60W	120W	240W	480W
Residual Ripple / PARD (20MHz)	< 50mVpp / < 240mVpp @ 25°C	< 50mVpp / < 240mVpp @ 25°C	< 50mVpp / < 240mVpp @ 25°C	< 50mVpp / < 240mVpp @ 25°C
Hold-up Time	> 30ms @ 3 x 400Vac, > 60ms @ 3 x 500Vac	> 35ms @ 3 x 400Vac, > 70ms @ 3 x 500Vac	> 35ms @ 3 x 400Vac, > 60ms @ 3 x 500Vac	> 25ms @ 3 x 400Vac, > 50ms @ 3 x 500Vac
Line Regulation	< 0.5% typ. (@ 85-264Vac input, 100% load)			
Load Regulation	< 1% typ. (@ 85-264Vac input, 0-100% load)			
INPUT (AC)				
Input Voltage Range	320-575Vac (DC input range 450-800Vdc)			
Input Frequency	47-63Hz	47-63Hz	47-63Hz	47-63Hz
Nominal Current	< 0.30A / Phase @ 400Vac, < 0.20A / Phase @ 500Vac	< 0.50A / Phase @ 400Vac, < 0.40A / Phase @ 500Vac	< 0.80A / Phase @ 400Vac, < 0.70A / Phase @ 500Vac	< 1.60A @ 115Vac, < 1.10A @ 230Vac
Max Inrush Current	< 30A @ 3 x 400Vac & 500Vac	< 30A @ 3 x 400Vac & 500Vac	< 40A @ 3 x 400Vac & 500Vac	< 50A @ 3 x 400Vac & 500Vac
Power Factor	Conform to EN61000-3-2 STD			
Efficiency	> 85.0%	> 85.0%	> 87.0%	> 87.0%
Leakage Current	< 3.5mA @ 500Vac			
MECHANICAL				
Case Cover	Aluminium	Aluminium	Aluminium	Aluminium
Dimensions (L x W x D)	121 x 70 x 118.5 mm	121 x 70 x 118.4 mm	121 x 85 x 120.5 mm	121 x 160 x 118.5 mm
Unit Weight / Box	0.56kg	0.72kg	0.99kg	1.71kg
MTBF	> 500,000 hrs.	> 500,000 hrs.	> 300,000 hrs.	> 300,000 hrs.
Noise	Sound pressure level (SPL) <40dBA			
Cooling	Convection			
Input Terminal	M4 x 4 Pins (Rated 600V/20A)	M4 x 4 Pins (Rated 600V/20A)	M4 x 4 Pins (Rated 600V/20A)	M4 x 4 Pins (Rated 600V/20A)
Output Terminal	M4 x 2 Pins (Rated 600V/20A)	M4 x 2 Pins (Rated 600V/20A), 2 pcs.	M4 x 2 Pins (Rated 600V/20A), 2 pcs.	M4 x 2 Pins (Rated 600V/20A), 2 pcs.
Mounting Rail	Standard TS35 Mounting Rail			
Shock Proof	IEC60068-2-27			
Vibration	IEC60068-2-6			
Protection Structure	IPX0			
SAFETY				
EMC / Emissions	CISPR22, EN55022, EN55011, FCC Title 47: Class B			
Immunity	EN55024: 1998/A1:2001/A2:2003 Level 3; EN61000-4-2, Level 4 “Criteria A”			
Safety Standard	UL508, CSA C22.2 No. 107.1-01, UL60950-1, CSA C22.2 No. 60950-1, EN60950-1, IEC60950, EN50178, IEC62103:2003, IEC60204:1998, SEMI F47, CSA C22.2 No. 213-M1987, ANSI/ISA 12.12.01:2007, Class 1 Div 2 T4 Hazardous Loc, ATEX			
Voltage Dips	Conform to EN61000-4-11			
Galvanic Isolation	Input to Output: 4KVac Input to Ground: 1.5KVac Output to Ground: 1.5KVac			
Operating Ambient Temperature	-20°C ~ +75°C			
Storage Temperature	-25°C ~ +85°C			
Operating Humidity	< 95% RH (Non-Condensing)			
Derating	> 50°C derate power by 2.5% / °C		> 50°C derate power by 2.5% / °C; > 70°C derate power by 4% / °C	> 50°C derate power by 2.5% / °C
Warranty	3 Years			
Reference Number	EOE11010007	EOE12010006	EOE12010007	EOE13010010

CliQ II DIN Rail Power Supply
Product Specifications

1 Phase 24V CliQ II DIN Rail Power Supply

OUTPUT SPECIFICATIONS	DRP024V060W1BA	DRP024V120W1BA	DRP024V240W1BA
Output Voltage	24V	24V	24V
Output Voltage Range	24-28V	24-28V	24-28V
Output Current	2.50A	5.00A	10.0A
Output Power	60W	120W	240W
Residual Ripple / PARD (20MHz)	< 50mVpp / < 150mVpp @ 25°C	< 50mVpp / < 150mVpp @ 25°C	< 50mVpp / < 150mVpp @ 25°C
Hold-up Time	> 20ms @ 115Vac, > 125ms @ 230Vac	> 20ms @ 115Vac, > 115ms @ 230Vac	> 20ms @ 115Vac & 230Vac
Line Regulation	< 0.5% typ. (@ 85-264Vac input, 100% load)		
Load Regulation	< 1% typ. (@ 85-264Vac input, 0-100% load)		
INPUT SPECIFICATIONS			
Input Voltage Range	85-264Vac (DC input range 120-375Vdc)		
Input Frequency	47-63Hz	47-63Hz	47-63Hz
Nominal Current	< 1.40A @ 115Vac, < 0.80A @ 230Vac	< 2.20A @ 115Vac, < 1.10A @ 230Vac	< 2.50A @ 115Vac, < 1.30A @ 230Vac
Max Inrush Current	< 20A @ 115Vac, < 35A @ 230Vac	< 35A @ 115Vac & 230Vac	< 35A @ 115Vac & 230Vac
Power Factor	Conform to EN61000-3-2 STD		< 0.96 @ 115Vac, < 0.90 @ 230Vac
Efficiency	> 89.0%	> 89.0%	> 89.0%
Leakage Current	< 1mA @ 240Vac		
MECHANICAL			
Case Cover	Aluminium	Aluminium	Aluminium
Dimensions (L x W x D)	121 x 32 x 125 mm	121 x 50 x 123.1 mm	121 x 85 x 124.1 mm
Unit Weight / Box	0.37kg	0.72kg	1.10kg
MTBF	> 1,000,000 hrs.	> 800,000 hrs.	> 500,000 hrs.
Noise	Sound pressure level (SPL) <40dBA		
Cooling	Convection		
Input Terminal	Pluggable Connector 3 Pins (Rated 300V/15A)		
Output Terminal	Pluggable Connector 2 Pins (Rated 300V/15A)	Pluggable Connector 4 Pins (Rated 300V/15A)	Pluggable Connector 4 Pins (Rated 300V/15A)
Mounting Rail	Standard TS35 Mounting Rail		
Shock Proof	IEC60068-2-27		
Vibration	IEC60068-2-6		
Protection Structure	IP20		
SAFETY			
EMC / Emissions	CISPR22, EN55022, EN55011, FCC Title 47: Class B		
Immunity	EN55024: 1998/A1:2001/A2:2003 Level 3; EN61000-4-2, Level 4 “Criteria A”		
Safety Standard	UL508, CSA C22.2 No. 107.1-01, UL60950-1, CSA C22.2 No. 60950-1, EN60950-1, IEC60950, EN50178, IEC62103:2003, IEC60204:1998		
Voltage Dips	Conform to EN61000-4-11		
Galvanic Isolation	Input to Output: 4KVac Input to Ground: 1.5KVac Output to Ground: 1.5KVac		
Operating Ambient Temperature	-20°C ~ +80°C		
Storage Temperature	-25°C ~ +85°C		
Operating Humidity	< 95% RH (Non-Condensing)		
Derating	> 50°C derate power by 2.5% / °C		
Warranty	3 Years		
Reference Number	EOE11010248	EOE12010249	EOE1201250

CliQ II DIN Rail Power Supply
Product Specifications

1 Phase 48V CliQ II DIN Rail Power Supply

OUTPUT (DC)	DRP048V060W1BA	DRP048V120W1BA
Output Voltage	48V	48V
Output Voltage Range	48-56V	48-56V
Output Current	1.25A	2.50A
Output Power	60W	120W
Residual Ripple / PARD (20MHz)	< 100mVpp / < 200mVpp @ 25°C	
Hold-up Time	> 20ms @ 115Vac, > 125ms @ 230Vac	> 20ms @ 115Vac, > 50ms @ 230Vac
Line Regulation	< 0.5% typ. (@ 85-264Vac input, 100% load)	
Load Regulation	< 1% typ. (@ 85-264Vac input, 0-100% load)	
INPUT (AC)		
Input Voltage Range	85-264Vac (DC input range 120-375Vdc)	
Input Frequency	47-63Hz	47-63Hz
Nominal Current	< 1.40A @ 115Vac, < 0.80A @ 230Vac	< 2.20A @ 115Vac, < 1.10A @ 230Vac
Max Inrush Current	< 20A @ 115Vac, < 35A @ 230Vac	< 35A @ 115Vac & 230Vac
Power Factor	Conform to EN61000-3-2 STD	> 0.99 @ 115Vac, > 0.93 @ 230Vac
Efficiency	> 89.0%	> 89.0%
Leakage Current	< 1mA @ 240Vac	
MECHANICAL		
Case Cover	Aluminium	Aluminium
Dimensions (L x W x D)	121 x 32 x 125 mm	121 x 50 x 123.1 mm
Unit Weight / Box	0.38kg	0.72kg
MTBF	> 1,000,000 hrs.	> 600,000 hrs.
Noise	Sound pressure level (SPL) <40dBA	
Cooling	Convection	
Input Terminal	Pluggable Connector 3 Pins (Rated 300V/15A)	
Output Terminal	Pluggable Connector 2 Pins (Rated 300V/15A)	Pluggable Connector 4 Pins (Rated 300V/15A)
Mounting Rail	Standard TS35 Mounting Rail	
Shock Proof	IEC60068-2-27	
Vibration	IEC60068-2-6	
Protection Structure	IP20	
SAFETY		
EMC / Emissions	CISPR22, EN55022, EN55011, FCC Title 47: Class B	
Immunity	EN55024: 1998/A1:2001/A2:2003 Level 3; EN61000-4-2, Level 4 "Criteria A"	
Safety Standard	UL508, CSA C22.2 No. 107.1-01, UL60950-1, CSA C22.2 No. 60950-1, EN60950-1, IEC60950, EN50178, IEC62103:2003, IEC60204:1998	
Voltage Dips	Conform to EN61000-4-11	
Galvanic Isolation	Input to Output: 4KVac Input to Ground: 1.5KVac Output to Ground: 1.5KVac	
Operating Ambient Temperature	-20°C ~ +80°C	
Storage Temperature	-25°C ~ +85°C	
Operating Humidity	< 95% RH (Non-Condensing)	
Derating	> 50°C derate power by 2.5% / °C	
Warranty	3 Years	
Reference Number	EOE11010357	EOE12010358

CliQ II Redundancy Modules

OUTPUT (DC)	DRR-20A	DRR-40A
Output Current	Normal mode = 0-20Amps; Short Circuit or Overload = 25Amps max	Normal mode = 0-40Amps; Short Circuit or Overload = 50Amps max
Voltage Drop (Vin - Vout)	Typical 0.65V	
INPUT (AC)		
Input Voltage Range	22-60Vdc	
Input Current	(1+1 Redundancy) = Nom. 2 x 12.5Amps (N+1 Redundancy) = Nom. 2 x 10Amps (Single use) = Nom. 20Amps	(1+1 Redundancy) = Nom 2 x 25Amps (N+1 Redundancy) = Nom. 2 x 20Amps (Single use) = Nom. 40Amps
MECHANICAL		
Case Cover	Aluminium	
Dimensions (L x W x D)	121 x 50 x 122.1 mm	
Unit Weight / Box	0.38kg	0.52kg
MTBF	> 800,000 hrs.	
Signals	Green LED DC OK	
Protection Structure	IP20	
SAFETY		
Safety Standard	UL508, CSA C22.2 No. 107.1-01, UL60950-1, CSA C22.2 No. 60950-1, EN60950-1, IEC60950, EN50178, IEC62103:2003, IEC60204:1998	
Operating Ambient Temperature	-40°C ~ +80°C	
Storage Temperature	-40°C ~ +85°C	
Operating Humidity	< 95% RH (Non-Condensing)	
Isolation Against Housing	Terminal - Chassis min. 500Vdc, > 100MOhms @ 25°C & 70% RH	
Derating	> 50°C derate power by 2.5% / °C	
Warranty	3 Years	
Reference Number	EOE21010284	EOE21010285

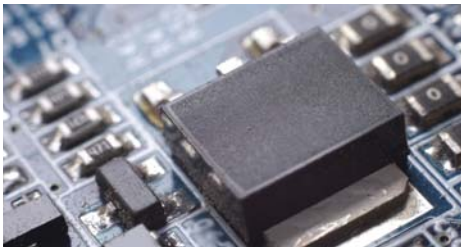
Standard Products
PMC Panel Mount Power Supply

Product Introduction

The PMC Panel Mount Power Supply product range offers nominal output voltages of 5V, 12V and 24V. These products have a wide operating temperature range from -10° C to +70°C and a highly dependable minimum hold-up time. The design is made to withstand harsh industrial environments. All products come with universal AC input encased in a full corrosion resistant Aluminium casing.

The highly reliable PMC Series also includes overvoltage, over temperature and overload protections. These products conform to EN61000-3-2 STD standards and are fully compliant with RoHS regulations for environmental protection. Best of all, this excellent design and quality does not come with a big price tag.

Typical Applications




- General automation and machine applications
- Lighting engineering and building engineering
- Environmental engineering
- Tool building
- Automotive engineering
- Automation process
- Coffee machines
- Elevators

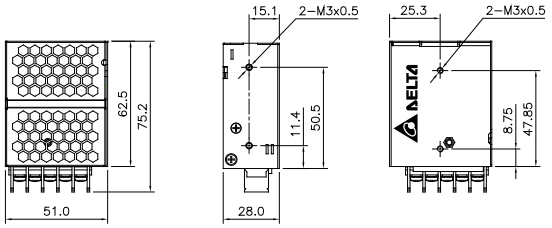
PMC Panel Mount Power Supply
5V 15W 1 Phase

PMC

▶ HIGHLIGHTS & FEATURES

- Ease of wire connection to terminals
- Overload, Overvoltage, and Over temperature protections
- Universal AC input
- Expected life time: 10 years
- 2 years warranty
- RoHS Compliant

▶ MECHANICAL DRAWING



▶ TECHNICAL DATA

OUTPUT SPECIFICATIONS	
Output Voltage	5V
Output Voltage Range	4.75-5.50V
Output Current	3.00A
Output Power	15W
Residual Ripple / PARD (20MHz)	< 70mVpp @ 25°C
Hold-up Time	> 15ms @ 115Vac, > 80ms @ 230Vac
Line Regulation	< 0.5% typ. (@ 85-264Vac input, 100% load)
Load Regulation	< 1% typ. (@ 85-264Vac input, 0-100% load)
MECHANICAL	
Case Cover	SECC Steel
Dimensions (L x W x D)	75.2 x 51 x 28 mm
Unit Weight / Box	0.16kg
MTBF	> 700,000 hrs.
Noise	Sound pressure level (SPL) <40dBA
Cooling	Convection
Input / Output Terminal	Terminal Block 5 Pin Rated 300V/15A
Input / Output Wire	AWG 22-14
Shock Proof	IEC60068-2-27
Vibration	IEC60068-2-6
Protection Structure	IPX0

INPUT SPECIFICATIONS	
Input Voltage Range	85-264Vac (DC input range 120-375Vdc)
Input Frequency	47-63Hz
Nominal Current	0.40A max (< 0.32A @ 115Vac, < 0.22A @ 230Vac)
Max Inrush Current	< 30A @ 115Vac, < 65A @ 230Vac
Power Factor	Conform to EN61000-3-2 STD
Efficiency	> 79.0%
Leakage Current	< 1mA @ 240Vac
SAFETY	
EMC / Emissions	CISPR22, EN55022, FCC Title 47: Class B
Immunity	EN55024: 1998/A1:2001/A2:2003 Level 3; EN61000-4-2, Level 4 “Criteria A”
Safety Standard	UL60950-1, CSA C22.2 No. 60950-1, EN60950-1, IEC60950-1
Voltage Dips	Conform to EN61000-4-11
Derating	> 60°C derate power by 2.5% / °C

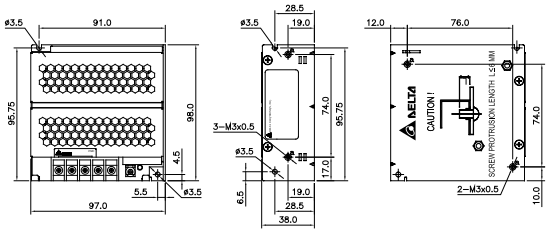
5V 35W 1 Phase

PMC

HIGHLIGHTS & FEATURES

- Full Aluminium casing for light weight and corrosion resistant handling
- Ease of wire connection to terminals
- Overload, Overvoltage, and Over temperature protections
- Universal AC input
- High MTBF at > 700,000 hrs.
- Expected life time: 10 years
- RoHS Compliant

MECHANICAL DRAWING



TECHNICAL DATA

OUTPUT SPECIFICATIONS	
Output Voltage	5V
Output Voltage Range	4.75-5.50V
Output Current	7.00A
Output Power	35W
Residual Ripple / PARD (20MHz)	< 70mVpp @ 25°C
Hold-up Time	> 15ms @ 115Vac, > 80ms @ 230Vac
Line Regulation	< 0.5% typ. (@ 85-264Vac input, 100% load)
Load Regulation	< 1% typ. (@ 85-264Vac input, 0-100% load)
MECHANICAL	
Case Cover	Aluminium
Dimensions (L x W x D)	98 x 97 x 38 mm
Unit Weight / Box	0.18kg
MTBF	> 700,000 hrs.
Noise	Sound pressure level (SPL) <40dBA
Cooling	Convection
Input / Output Terminal	Terminal Block 5 Pin Rated 300V/15A
Input / Output Wire	AWG 18-14
Shock Proof	IEC60068-2-27
Vibration	IEC60068-2-6
Protection Structure	IPX0

INPUT SPECIFICATIONS	
Input Voltage Range	85-264Vac (DC input range 120-375Vdc)
Input Frequency	47-63Hz
Nominal Current	1.00A max (< 0.90A @ 115Vac, < 0.80A @ 230Vac
Max Inrush Current	< 30A @ 115Vac, < 60A @ 230Vac
Power Factor	Conform to EN61000-3-2 STD
Efficiency	> 79.0%
Leakage Current	< 1mA @ 240Vac
SAFETY	
EMC / Emissions	CISPR22, EN55022, FCC Title 47: Class B
Immunity	EN55024: 1998/A1:2001/A2:2003 Level 3; EN61000-4-2, Level 4 “Criteria A”
Safety Standard	UL60950-1, CSA C22.2 No. 60950-1, EN60950-1, IEC60950-1
Voltage Dips	Conform to EN61000-4-11
Derating	> 50°C derate power by 2.5% / °C

PMC Panel Mount Power Supply

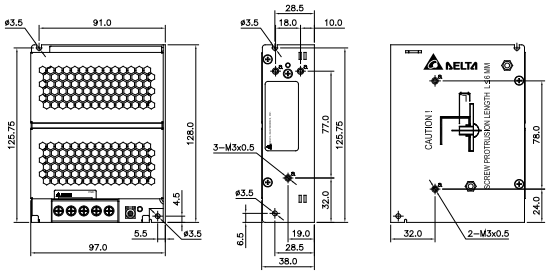
5V 50W 1 Phase

PMC

▸ HIGHLIGHTS & FEATURES

- Full Aluminium casing for light weight and corrosion resistant handling
- Ease of wire connection to terminals
- Overload, Overvoltage, and Over temperature protections
- Universal AC input
- High MTBF at > 700,000 hrs.
- Expected life time: 10 years
- RoHS Compliant

▸ MECHANICAL DRAWING



▸ TECHNICAL DATA

OUTPUT SPECIFICATIONS	
Output Voltage	5V
Output Voltage Range	4.75-5.50V
Output Current	10.0A
Output Power	50W
Residual Ripple / PARD (20MHz)	< 70mVpp @ 25°C
Hold-up Time	> 15ms @ 115Vac, > 80ms @ 230Vac
Line Regulation	< 0.5% typ. (@ 85-264Vac input, 100% load)
Load Regulation	< 1% typ. (@ 85-264Vac input, 0-100% load)
MECHANICAL	
Case Cover	Aluminium
Dimensions (L x W x D)	128 x 97 x 38 mm
Unit Weight / Box	0.26kg
MTBF	> 700,000 hrs.
Noise	Sound pressure level (SPL) <40dBA
Cooling	Convection
Input / Output Terminal	Terminal Block 5 Pin Rated 300V/15A
Input / Output Wire	I/P AWG 18-14, O/P AWG 16-14
Shock Proof	IEC60068-2-27
Vibration	IEC60068-2-6
Protection Structure	IPX0

INPUT SPECIFICATIONS	
Input Voltage Range	85-264Vac (DC input range 120-375Vdc)
Input Frequency	47-63Hz
Nominal Current	1.50A max (< 1.10A @ 115Vac, < 0.70A @ 230Vac)
Max Inrush Current	< 30A @ 115Vac, < 65A @ 230Vac
Power Factor	Conform to EN61000-3-2 STD
Efficiency	> 79.0%
Leakage Current	< 1mA @ 240Vac
SAFETY	
EMC / Emissions	CISPR22, EN55022, FCC Title 47: Class B
Immunity	EN55024: 1998/A1:2001/A2:2003 Level 3; EN61000-4-2, Level 4 “Criteria A”
Safety Standard	UL60950-1, CSA C22.2 No. 60950-1, EN60950-1, IEC60950-1
Voltage Dips	Conform to EN61000-4-11
Derating	> 50°C derate power by 2.5% / °C

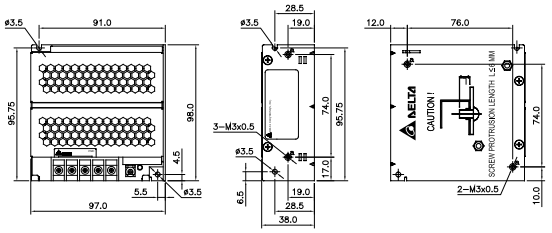
12V 35W 1 Phase

PMC

HIGHLIGHTS & FEATURES

- Full Aluminium casing for light weight and corrosion resistant handling
- Ease of wire connection to terminals
- Overload, Overvoltage, and Over temperature protections
- Universal AC input
- High MTBF at > 700,000 hrs.
- Expected life time: 10 years
- RoHS Compliant

MECHANICAL DRAWING



TECHNICAL DATA

OUTPUT SPECIFICATIONS	
Output Voltage	12V
Output Voltage Range	11-14V
Output Current	3.00A
Output Power	35W
Residual Ripple / PARD (20MHz)	< 100mVpp @ 25°C
Hold-up Time	> 15ms @ 115Vac, > 80ms @ 230Vac
Line Regulation	< 0.5% typ. (@ 85-264Vac input, 100% load)
Load Regulation	< 1% typ. (@ 85-264Vac input, 0-100% load)
MECHANICAL	
Case Cover	Aluminium
Dimensions (L x W x D)	98 x 97 x 38 mm
Unit Weight / Box	0.21kg
MTBF	> 700,000 hrs.
Noise	Sound pressure level (SPL) <40dBA
Cooling	Convection
Input / Output Terminal	Terminal Block 5 Pin Rated 300V/15A
Input / Output Wire	AWG 22-14
Shock Proof	IEC60068-2-27
Vibration	IEC60068-2-6
Protection Structure	IPX0

INPUT SPECIFICATIONS	
Input Voltage Range	85-264Vac (DC input range 120-375Vdc)
Input Frequency	47-63Hz
Nominal Current	0.90A max (< 0.75A @ 115Vac, < 0.50A @ 230Vac)
Max Inrush Current	< 30A @ 115Vac, < 60A @ 230Vac
Power Factor	Conform to EN61000-3-2 STD
Efficiency	> 84.0%
Leakage Current	< 1mA @ 240Vac
SAFETY	
EMC / Emissions	CISPR22, EN55022, FCC Title 47: Class B
Immunity	EN55024: 1998/A1:2001/A2:2003 Level 3; EN61000-4-2, Level 4 “Criteria A”
Safety Standard	UL60950-1, CSA C22.2 No. 60950-1, EN60950-1, IEC60950-1
Voltage Dips	Conform to EN61000-4-11
Derating	> 50°C derate power by 2.5% / °C

PMC Panel Mount Power Supply

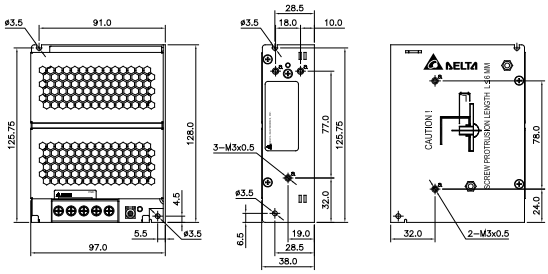
12V 50W 1 Phase

PMC

HIGHLIGHTS & FEATURES

- Full Aluminium casing for light weight and corrosion resistant handling
- Ease of wire connection to terminals
- Overload, Overvoltage, and Over temperature protections
- Universal AC input
- High MTBF at > 700,000 hrs.
- Expected life time: 10 years
- RoHS Compliant

MECHANICAL DRAWING



TECHNICAL DATA

OUTPUT SPECIFICATIONS	
Output Voltage	12V
Output Voltage Range	11-14V
Output Current	4.17A
Output Power	50W
Residual Ripple / PARD (20MHz)	< 100mVpp @ 25°C
Hold-up Time	> 15ms @ 115Vac, > 80ms @ 230Vac
Line Regulation	< 0.5% typ. (@ 85-264Vac input, 100% load)
Load Regulation	< 1% typ. (@ 85-264Vac input, 0-100% load)
MECHANICAL	
Case Cover	Aluminium
Dimensions (L x W x D)	128 x 97 x 38 mm
Unit Weight / Box	0.26kg
MTBF	> 700,000 hrs.
Noise	Sound pressure level (SPL) <40dBA
Cooling	Convection
Input / Output Terminal	Terminal Block 5 Pin Rated 300V/15A
Input / Output Wire	AWG 22-14
Shock Proof	IEC60068-2-27
Vibration	IEC60068-2-6
Protection Structure	IPX0

INPUT SPECIFICATIONS	
Input Voltage Range	85-264Vac (DC input range 120-375Vdc)
Input Frequency	47-63Hz
Nominal Current	1.50A max (< 1.10A @ 115Vac, < 0.70A @ 230Vac)
Max Inrush Current	< 30A @ 115Vac, < 65A @ 230Vac
Power Factor	Conform to EN61000-3-2 STD
Efficiency	> 84.0%
Leakage Current	< 1mA @ 240Vac
SAFETY	
EMC / Emissions	CISPR22, EN55022, FCC Title 47: Class B
Immunity	EN55024: 1998/A1:2001/A2:2003 Level 3; EN61000-4-2, Level 4 “Criteria A”
Safety Standard	UL60950-1, CSA C22.2 No. 60950-1, EN60950-1, IEC60950-1
Voltage Dips	Conform to EN61000-4-11
Derating	> 50°C derate power by 2.5% / °C

12V 100W 1 Phase

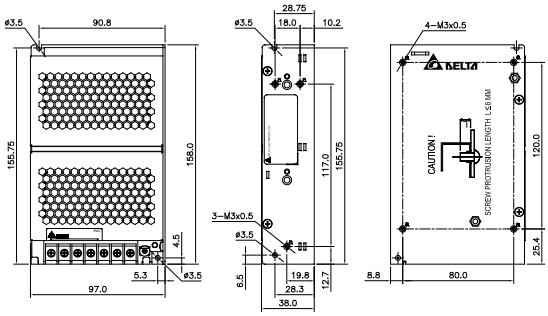
E191395

PMC

HIGHLIGHTS & FEATURES

- Full Aluminium casing for light weight and corrosion resistant handling
- Ease of wire connection to terminals
- Overload, Overvoltage, and Over temperature protections
- Universal AC input
- High MTBF at > 700,000 hrs.
- Expected life time: 10 years
- RoHS Compliant

MECHANICAL DRAWING



TECHNICAL DATA

OUTPUT SPECIFICATIONS	
Output Voltage	12V
Output Voltage Range	11-14V
Output Current	8.33A
Output Power	100W
Residual Ripple / PARD (20MHz)	< 100mVpp @ 25°C
Hold-up Time	> 15ms @ 115Vac, > 80ms @ 230Vac
Line Regulation	< 0.5% typ. (@ 85-264Vac input, 100% load)
Load Regulation	< 1% typ. (@ 85-264Vac input, 0-100% load)
MECHANICAL	
Case Cover	Aluminium
Dimensions (L x W x D)	158 x 97 x 38 mm
Unit Weight / Box	0.45kg
MTBF	> 700,000 hrs.
Noise	Sound pressure level (SPL) <40dBA
Cooling	Convection
Input / Output Terminal	Terminal Block 7 Pin Rated 300V/15A
Input / Output Wire	AWG 22-14
Shock Proof	IEC60068-2-27
Vibration	IEC60068-2-6
Protection Structure	IPX0

INPUT SPECIFICATIONS	
Input Voltage Range	85-264Vac (DC input range 120-375Vdc)
Input Frequency	47-63Hz
Nominal Current	3.00A max (< 2.00A @ 115Vac, < 1.10A @ 230Vac)
Max Inrush Current	< 60A @ 115Vac, < 130A @ 230Vac
Power Factor	Conform to EN61000-3-2 STD Class A Limit
Efficiency	> 86.0%
Leakage Current	< 1mA @ 240Vac
SAFETY	
EMC / Emissions	CISPR22, EN55022, FCC Title 47: Class B
Immunity	EN55024: 1998/A1:2001/A2:2003 Level 3; EN61000-4-2, Level 4 “Criteria A”
Safety Standard	UL60950-1, CSA C22.2 No. 60950-1, EN60950-1, IEC60950-1
Voltage Dips	Conform to EN61000-4-11
Derating	> 50°C derate power by 2.5% / °C

PMC Panel Mount Power Supply

12V 150W 1 Phase

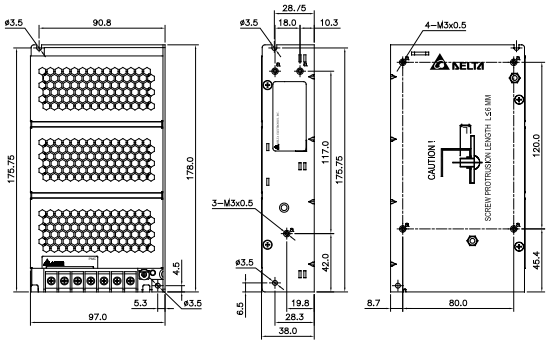
E191395

PMC

▸ HIGHLIGHTS & FEATURES

- Full Aluminium casing for light weight and corrosion resistant handling
- Ease of wire connection to terminals
- Overload, Overvoltage, and Over temperature protections
- Universal AC input
- High MTBF at > 700,000 hrs.
- Expected life time: 10 years
- RoHS Compliant

▸ MECHANICAL DRAWING



▸ TECHNICAL DATA

OUTPUT SPECIFICATIONS	
Output Voltage	12V
Output Voltage Range	11-14V
Output Current	12.5A
Output Power	150W
Residual Ripple / PARD (20MHz)	< 100mVpp @ 25°C
Hold-up Time	> 30ms @ 115Vac & 230Vac
Line Regulation	< 0.5% typ. (@ 85-264Vac input, 100% load)
Load Regulation	< 1% typ. (@ 85-264Vac input, 0-100% load)
MECHANICAL	
Case Cover	Aluminium
Dimensions (L x W x D)	178 x 97 x 38 mm
Unit Weight / Box	0.54kg
MTBF	> 700,000 hrs.
Noise	Sound pressure level (SPL) <40dBA
Cooling	Convection
Input / Output Terminal	Terminal Block 7 Pin Rated 300V/15A
Input / Output Wire	AWG 18-14
Shock Proof	IEC60068-2-27
Vibration	IEC60068-2-6
Protection Structure	IPX0

INPUT SPECIFICATIONS	
Input Voltage Range	85-264Vac
Input Frequency	47-63Hz
Nominal Current	2.30A max (< 1.70A @ 115Vac, < 1.00A @ 230Vac)
Max Inrush Current	< 60A @ 115Vac, < 120A @ 230Vac
Power Factor	> 0.99 @ 115Vac, > 0.90 @ 230Vac
Efficiency	> 87.0%
Leakage Current	< 1mA @ 240Vac
SAFETY	
EMC / Emissions	CISPR22, EN55022, FCC Title 47: Class B
Immunity	EN55024: 1998/A1:2001/A2:2003 Level 3; EN61000-4-2, Level 4 “Criteria A”
Safety Standard	UL60950-1, CSA C22.2 No. 60950-1, EN60950-1, IEC60950-1
Voltage Dips	Conform to EN61000-4-11
Derating	> 50°C derate power by 2.5% / °C

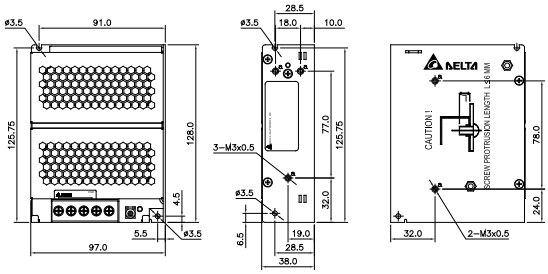
24V 35W 1 Phase

PMC

HIGHLIGHTS & FEATURES

- Full Aluminium casing for light weight and corrosion resistant handling
- Ease of wire connection to terminals
- Overload, Overvoltage, and Over temperature protections
- Universal AC input
- High MTBF at > 700,000 hrs.
- Expected life time: 10 years
- RoHS Compliant

MECHANICAL DRAWING



TECHNICAL DATA

OUTPUT SPECIFICATIONS	
Output Voltage	24V
Output Voltage Range	22-28V
Output Current	1.46A
Output Power	35W
Residual Ripple / PARD (20MHz)	< 150mVpp @ 25°C
Hold-up Time	> 15ms @ 115Vac, > 80ms @ 230Vac
Line Regulation	< 0.5% typ. (@ 85-264Vac input, 100% load)
Load Regulation	< 1% typ. (@ 85-264Vac input, 0-100% load)
MECHANICAL	
Case Cover	Aluminium
Dimensions (L x W x D)	128 x 97 x 38 mm
Unit Weight / Box	0.24kg
MTBF	> 700,000 hrs.
Noise	Sound pressure level (SPL) <40dBA
Cooling	Convection
Input / Output Terminal	Terminal Block 5 Pin Rated 300V/15A
Input / Output Wire	AWG 22-12
Shock Proof	IEC60068-2-27
Vibration	IEC60068-2-6
Protection Structure	IPX0

INPUT SPECIFICATIONS	
Input Voltage Range	85-264Vac (DC input range 120-375Vdc)
Input Frequency	47-63Hz
Nominal Current	0.90A max (< 0.72A @ 115Vac, < 0.40A @ 230Vac)
Max Inrush Current	< 30A @ 115Vac, < 60A @ 230Vac
Power Factor	Conform to EN61000-3-2 STD
Efficiency	> 85.0%
Leakage Current	< 1mA @ 240Vac
SAFETY	
EMC / Emissions	CISPR22, EN55022, FCC Title 47: Class B
Immunity	EN55024: 1998/A1:2001/A2:2003 Level 3; EN61000-4-2, Level 4 “Criteria A”
Safety Standard	UL60950-1, CSA C22.2 No. 60950-1, EN60950-1, IEC60950-1
Voltage Dips	Conform to EN61000-4-11
Derating	> 50°C derate power by 2.5% / °C

PMC Panel Mount Power Supply
24V 50W 1 Phase

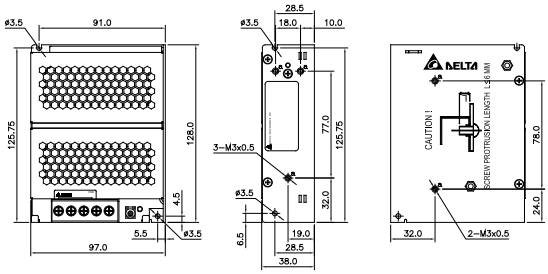
E191395

PMC

HIGHLIGHTS & FEATURES

- Full Aluminium casing for light weight and corrosion resistant handling
- Ease of wire connection to terminals
- Overload, Overvoltage, and Over temperature protections
- Universal AC input
- High MTBF at > 700,000 hrs.
- Expected life time: 10 years
- RoHS Compliant

MECHANICAL DRAWING



TECHNICAL DATA

OUTPUT SPECIFICATIONS	
Output Voltage	24V
Output Voltage Range	22-28V
Output Current	2.10A
Output Power	50W
Residual Ripple / PARD (20MHz)	< 150mVpp @ 25°C
Hold-up Time	> 15ms @ 115Vac, > 90ms @ 230Vac
Line Regulation	< 0.5% typ. (@ 85-264Vac input, 100% load)
Load Regulation	< 1% typ. (@ 85-264Vac input, 0-100% load)
MECHANICAL	
Case Cover	Aluminium
Dimensions (L x W x D)	128 x 97 x 38 mm
Unit Weight / Box	0.26kg
MTBF	> 700,000 hrs.
Noise	Sound pressure level (SPL) <40dBA
Cooling	Convection
Input / Output Terminal	Terminal Block 5 Pin Rated 300V/15A
Input / Output Wire	AWG 22-12
Shock Proof	IEC60068-2-27
Vibration	IEC60068-2-6
Protection Structure	IPX0

INPUT SPECIFICATIONS	
Input Voltage Range	85-264Vac (DC input range 120-375Vdc)
Input Frequency	47-63Hz
Nominal Current	1.50A max (< 1.10A @ 115Vac, < 0.70A @ 230Vac)
Max Inrush Current	< 30A @ 115Vac, < 60A @ 230Vac
Power Factor	Conform to EN61000-3-2 STD
Efficiency	> 86.0%
Leakage Current	< 1mA @ 240Vac
SAFETY	
EMC / Emissions	CISPR22, EN55022, FCC Title 47: Class B
Immunity	EN55024: 1998/A1:2001/A2:2003 Level 3; EN61000-4-2, Level 4 “Criteria A”
Safety Standard	UL60950-1, CSA C22.2 No. 60950-1, EN60950-1, IEC60950-1
Voltage Dips	Conform to EN61000-4-11
Derating	> 50°C derate power by 2.5% / °C

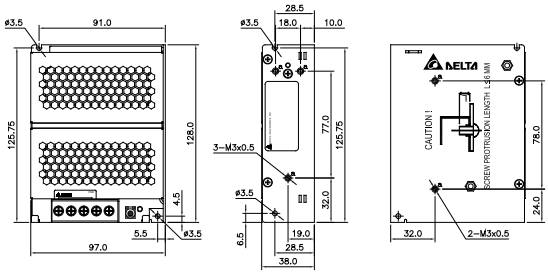
24V 75W 1 Phase

PMC

HIGHLIGHTS & FEATURES

- Full Aluminium casing for light weight and corrosion resistant handling
- Ease of wire connection to terminals
- Overload, Overvoltage, and Over temperature protections
- Universal AC input
- High MTBF at > 700,000 hrs.
- Expected life time: 10 years
- RoHS Compliant

MECHANICAL DRAWING



TECHNICAL DATA

OUTPUT SPECIFICATIONS	
Output Voltage	24V
Output Voltage Range	22-28V
Output Current	3.12A
Output Power	75W
Residual Ripple / PARD (20MHz)	< 100mVpp @ 25°C
Hold-up Time	> 15ms @ 115Vac, > 90ms @ 230Vac
Line Regulation	< 0.5% typ. (@ 85-264Vac input, 100% load)
Load Regulation	< 1% typ. (@ 85-264Vac input, 0-100% load)
MECHANICAL	
Case Cover	Aluminium
Dimensions (L x W x D)	128 x 97 x 38 mm
Unit Weight / Box	0.30kg
MTBF	> 700,000 hrs.
Noise	Sound pressure level (SPL) <40dBA
Cooling	Convection
Input / Output Terminal	Terminal Block 5 Pin Rated 300V/15A
Input / Output Wire	AWG 22-12
Shock Proof	IEC60068-2-27
Vibration	IEC60068-2-6
Protection Structure	IPX0

INPUT SPECIFICATIONS	
Input Voltage Range	85-264Vac (DC input range 120-375Vdc)
Input Frequency	47-63Hz
Nominal Current	1.80A max (< 1.50A @ 115Vac, < 1.00A @ 230Vac)
Max Inrush Current	< 40A @ 115Vac, < 80A @ 230Vac
Power Factor	Conform to EN61000-3-2 STD
Efficiency	> 86.0%
Leakage Current	< 1mA @ 240Vac
SAFETY	
EMC / Emissions	CISPR22, EN55022, FCC Title 47: Class B
Immunity	EN55024: 1998/A1:2001/A2:2003 Level 3; EN61000-4-2, Level 4 “Criteria A”
Safety Standard	UL60950-1, CSA C22.2 No. 60950-1, EN60950-1, IEC60950-1
Voltage Dips	Conform to EN61000-4-11
Derating	> 50°C derate power by 2.5% / °C

PMC Panel Mount Power Supply
24V 100W 1 Phase

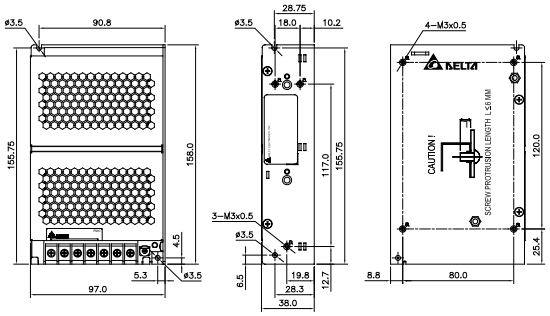
E191395

PMC

HIGHLIGHTS & FEATURES

- Full Aluminium casing for light weight and corrosion resistant handling
- Ease of wire connection to terminals
- Overload, Overvoltage, and Over temperature protections
- Universal AC input
- High MTBF at > 700,000 hrs.
- Expected life time: 10 years
- RoHS Compliant

MECHANICAL DRAWING



TECHNICAL DATA

OUTPUT SPECIFICATIONS	
Output Voltage	24V
Output Voltage Range	22-28V
Output Current	4.17A
Output Power	100W
Residual Ripple / PARD (20MHz)	< 150mVpp @ 25°C
Hold-up Time	> 15ms @ 115Vac, > 90ms @ 230Vac
Line Regulation	< 0.5% typ. (@ 85-264Vac input, 100% load)
Load Regulation	< 1% typ. (@ 85-264Vac input, 0-100% load)
MECHANICAL	
Case Cover	Aluminium
Dimensions (L x W x D)	158 x 97 x 38 mm
Unit Weight / Box	0.41kg
MTBF	> 700,000 hrs.
Noise	Sound pressure level (SPL) <40dBA
Cooling	Convection
Input / Output Terminal	Terminal Block 7 Pin Rated 300V/15A
Input / Output Wire	AWG 22-12
Shock Proof	IEC60068-2-27
Vibration	IEC60068-2-6
Protection Structure	IPX0

INPUT SPECIFICATIONS	
Input Voltage Range	85-264Vac (DC input range 120-375Vdc)
Input Frequency	47-63Hz
Nominal Current	3.00A max (< 2.00A @ 115Vac, < 1.10A @ 230Vac)
Max Inrush Current	< 50A @ 115Vac, < 100A @ 230Vac
Power Factor	Conform to EN61000-3-2 STD Class A Limit
Efficiency	> 86.0%
Leakage Current	< 1mA @ 240Vac
SAFETY	
EMC / Emissions	CISPR22, EN55022, FCC Title 47: Class B
Immunity	EN55024: 1998/A1:2001/A2:2003 Level 3; EN61000-4-2, Level 4 “Criteria A”
Safety Standard	UL60950-1, CSA C22.2 No. 60950-1, EN60950-1, IEC60950-1
Voltage Dips	Conform to EN61000-4-11
Derating	> 50°C derate power by 2.5% / °C

24V 150W 1 Phase

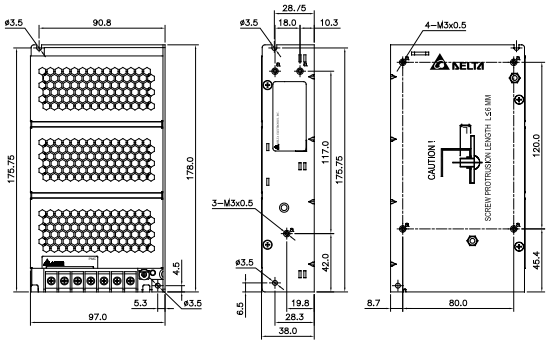
PMC

E191395

HIGHLIGHTS & FEATURES

- Full Aluminium casing for light weight and corrosion resistant handling
- Ease of wire connection to terminals
- Overload, Overvoltage, and Over temperature protections
- Universal AC input
- High MTBF at > 700,000 hrs.
- Expected life time: 10 years
- RoHS Compliant

MECHANICAL DRAWING



TECHNICAL DATA

OUTPUT SPECIFICATIONS	
Output Voltage	24V
Output Voltage Range	22-28V
Output Current	6.25A
Output Power	150W
Residual Ripple / PARD (20MHz)	< 100mVpp @ 25°C
Hold-up Time	> 15ms @ 115Vac, > 80ms @ 230Vac
Line Regulation	< 0.5% typ. (@ 85-264Vac input, 100% load)
Load Regulation	< 1% typ. (@ 85-264Vac input, 0-100% load)
MECHANICAL	
Case Cover	Aluminium
Dimensions (L x W x D)	178 x 97 x 38 mm
Unit Weight / Box	0.48kg
MTBF	> 700,000 hrs.
Noise	Sound pressure level (SPL) <40dBA
Cooling	Convection
Input / Output Terminal	Terminal Block 7 Pin Rated 300V/15A
Input / Output Wire	AWG 22-14
Shock Proof	IEC60068-2-27
Vibration	IEC60068-2-6
Protection Structure	IPX0

INPUT SPECIFICATIONS	
Input Voltage Range	85-264Vac
Input Frequency	47-63Hz
Nominal Current	3.80A max (< 3.10A @ 115Vac, < 2.00A @ 230Vac)
Max Inrush Current	< 60A @ 115Vac, < 120A @ 230Vac
Power Factor	NA
Efficiency	> 86.0%
Leakage Current	< 1mA @ 240Vac
SAFETY	
EMC / Emissions	CISPR22, EN55022, FCC Title 47: Class B
Immunity	EN55024: 1998/A1:2001/A2:2003 Level 3; EN61000-4-2, Level 4 “Criteria A”
Safety Standard	UL60950-1, CSA C22.2 No. 60950-1, EN60950-1, IEC60950-1
Voltage Dips	Conform to EN61000-4-11
Derating	> 50°C derate power by 2.5% / °C

PMC Panel Mount Power Supply

24V 150W 1 Phase (High Line)

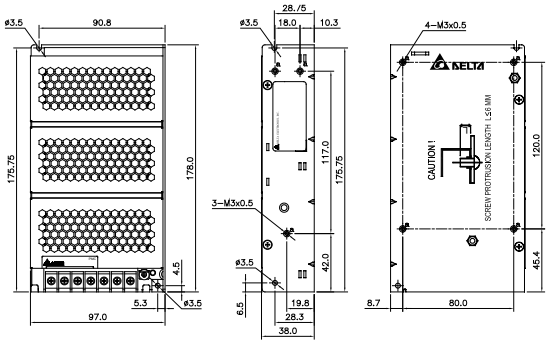
E191395

PMC

▸ HIGHLIGHTS & FEATURES

- Full Aluminium casing for light weight and corrosion resistant handling
- Ease of wire connection to terminals
- Overload, Overvoltage, and Over temperature protections
- Universal AC input
- High MTBF at > 700,000 hrs.
- Expected life time: 10 years
- RoHS Compliant

▸ MECHANICAL DRAWING



▸ TECHNICAL DATA

OUTPUT SPECIFICATIONS	
Output Voltage	24V
Output Voltage Range	22-28V
Output Current	6.25A
Output Power	150W
Residual Ripple / PARD (20MHz)	< 100mVpp @ 25°C
Hold-up Time	> 15ms @ 230Vac with 150W load
Line Regulation	< 0.5% typ. (@ 85-264Vac input, 100% load)
Load Regulation	< 1% typ. (@ 85-264Vac input, 0-100% load)
MECHANICAL	
Case Cover	Aluminium
Dimensions (L x W x D)	178 x 97 x 38 mm
Unit Weight / Box	0.50kg
MTBF	> 700,000 hrs.
Noise	Sound pressure level (SPL) <40dBA
Cooling	Convection
Input / Output Terminal	Terminal Block 7 Pin Rated 300V/15A
Input / Output Wire	AWG 22-14
Shock Proof	IEC60068-2-27
Vibration	IEC60068-2-6
Protection Structure	IPX0

INPUT SPECIFICATIONS	
Input Voltage Range	180-264Vac (DC input 220-375Vdc)
Input Frequency	47-63Hz
Nominal Current	2.00A max (< 1.60A @ 230Vac)
Max Inrush Current	< 120A @ 230Vac
Power Factor	Conform to EN61000-3-2 STD
Efficiency	> 87.0%
Leakage Current	< 1mA @ 240Vac
SAFETY	
EMC / Emissions	CISPR22, EN55022, FCC Title 47: Class B
Immunity	EN55024: 1998/A1:2001/A2:2003 Level 3; EN61000-4-2, Level 4 “Criteria A”
Safety Standard	UL60950-1, CSA C22.2 No. 60950-1, EN60950-1, IEC60950-1
Voltage Dips	Conform to EN61000-4-11
Derating	> 50°C derate power by 2.5% / °C

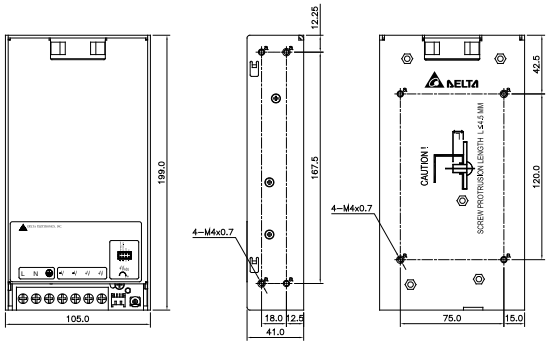
24V 300W 1 Phase

PMC

HIGHLIGHTS & FEATURES

- Full Aluminium casing for light weight and corrosion resistant handling
- Overload, Overvoltage, and Over temperature protections
- Universal AC input
- Built-in active PFC function, PF > 0.96
- Built-in remote sense function
- Expected life time: 10 years
- RoHS & IP20 Compliant

MECHANICAL DRAWING



TECHNICAL DATA

OUTPUT SPECIFICATIONS	
Output Voltage	V1: 24V, V2 Stand by: 12V
Output Voltage Range	V1: 24V ± 2%, V2 Stand by: 12V ± 5%
Output Current	V1: 12.5A, V2 Stand by: 0.50A
Output Power	300W
Residual Ripple / PARD (20MHz)	< 100mVpp @ 25°C
Hold-up Time	> 15ms @ typical range with 300W load
Line Regulation	< 0.5% typ. (@ 85-264Vac input, 100% load)
Load Regulation	< 1% typ. (@ 85-264Vac input, 0-100% load)
MECHANICAL	
Case Cover	Aluminium
Dimensions (L x W x D)	199 x 105 x 41 mm
Unit Weight / Box	0.82kg
MTBF	> 700,000 hrs. (limited by fan life)
Noise	Sound pressure level (SPL) <40dBA
Cooling	Fan
Input / Output Terminal	Terminal Block 7 Pin (C44M-BS1107)
Input / Output Wire	AWG 20-16
Shock Proof	IEC60068-2-27
Vibration	IEC60068-2-6
Protection Structure	IP20

INPUT SPECIFICATIONS	
Input Voltage Range	85-264Vac
Input Frequency	47-63Hz
Nominal Current	5.00A max (< 4.00A @ 115Vac, < 2.00A @ 230Vac)
Max Inrush Current	< 35A @ 115Vac, < 70A @ 230Vac
Power Factor	0.99 @ 115Vac, 0.97 @ 230Vac
Efficiency	> 88.0%
Leakage Current	< 1mA @ 240Vac
SAFETY	
EMC / Emissions	CISPR22, EN55022, FCC Title 47: Class B
Immunity	EN55024: 1998/A1:2001/A2:2003 Level 3; EN61000-4-2, Level 4 “Criteria A”
Safety Standard	UL60950-1, CSA C22.2 No. 60950-1, EN60950-1, IEC60950-1
Voltage Dips	Conform to EN61000-4-11
Derating	> 50°C derate power by 2.5% / °C

PMC Panel Mount Power Supply

24V 100W Dual Output

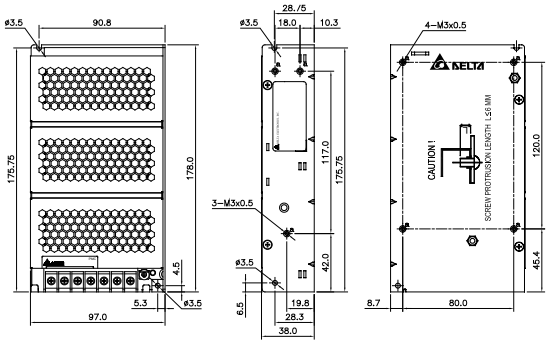
E191395

PMC

▸ HIGHLIGHTS & FEATURES

- Full Aluminium casing for light weight and corrosion resistant handling
- Ease of wire connection to terminals
- Overload, Overvoltage, and Over temperature protections
- Universal AC input
- High MTBF at > 700,000 hrs.
- Expected life time: 10 years
- RoHS Compliant

▸ MECHANICAL DRAWING



▸ TECHNICAL DATA

OUTPUT SPECIFICATIONS	
Output Voltage	V1: 24V, V2: 5V
Output Voltage Range	V1: 24V ± 2%, V2: 5V ± 2%
Output Current	V1: 24V / 0.3-4.0A (2.7A rated), V2: 5V / 0.8-7.0A (7.0A rated)**
Output Power	100W
Residual Ripple / PARD (20MHz)	< 200mVpp (24V), < 80mVpp (5V)
Hold-up Time	> 15ms @ 115Vac, > 80ms @ 230Vac
Line Regulation	< 0.5% typ. (@ 85-264Vac input, 100% load)
Load Regulation	± 1% typ.*
MECHANICAL	
Case Cover	Aluminium
Dimensions (L x W x D)	178 x 97 x 38 mm
Unit Weight / Box	0.52kg
MTBF	> 700,000 hrs.
Noise	Sound pressure level (SPL) <40dBA
Cooling	Convection
Input / Output Terminal	Terminal Block 7 Pin Rated 300V/15A
Input / Output Wire	AWG 22-14
Shock Proof	IEC60068-2-27
Vibration	IEC60068-2-6
Protection Structure	IPX0

**Measured from 20% to 100% rated load at another output set at 60% rated load*
***Each output can work within the current range, but total output power cannot exceed the rated output power*

INPUT SPECIFICATIONS	
Input Voltage Range	85-264Vac (DC input range 120-375Vdc)
Input Frequency	47-63Hz
Nominal Current	3.20A max (< 2.00A @ 115Vac, < 1.10A @ 230Vac)
Max Inrush Current	< 50A @ 115Vac, < 100A @ 230Vac
Power Factor	Conform to EN61000-3-2 STD Class A Limit
Efficiency	> 86.0%
Leakage Current	< 1mA @ 240Vac
SAFETY	
EMC / Emissions	CISPR22, EN55022, FCC Title 47: Class B
Immunity	EN55024: 1998/A1:2001/A2:2003 Level 3; EN61000-4-2, Level 4 “Criteria A”
Safety Standard	UL60950-1, CSA C22.2 No. 60950-1, EN60950-1, IEC60950-1
Voltage Dips	Conform to EN61000-4-11
Derating	> 50°C derate power by 2.5% / °C

PMC Panel Mount Power Supply
Product Specifications

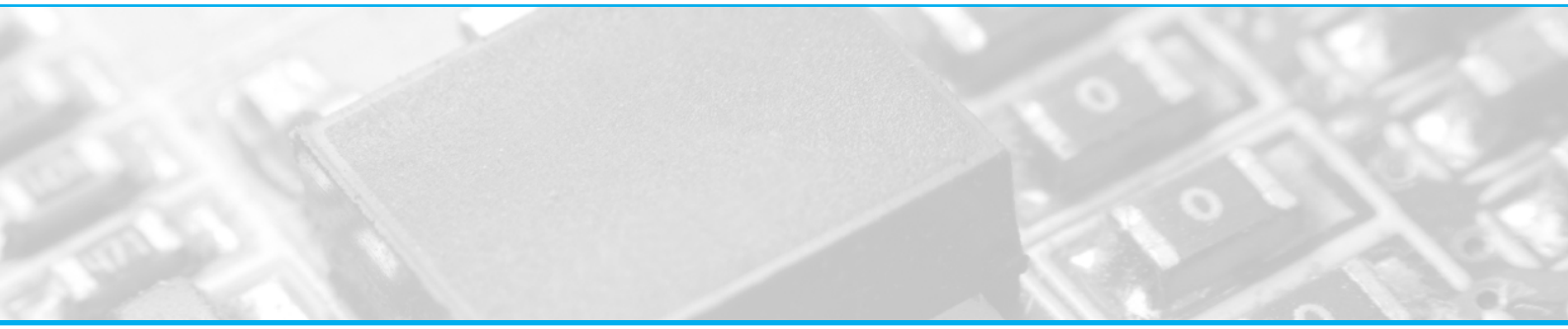
1 Phase 5V PMC Panel Mount Power Supply

OUTPUT SPECIFICATIONS	PMC-05V015W1AA	PMC-05V035V1AA	PMC-05V050W1AA
Output Voltage	5V	5V	5V
Output Voltage Range	4.75-5.50V	4.75-5.50V	4.75-5.50V
Output Current	3.00A	7.00A	10.0A
Output Power	15W	35W	50W
Residual Ripple / PARD (20MHz)	< 70mVpp @ 25°C	< 70mVpp @ 25°C	< 70mVpp @ 25°C
Hold-up Time	> 15ms @ 115Vac, > 80ms @ 230Vac	> 15ms @ 115Vac, > 80ms @ 230Vac	> 15ms @ 115Vac, > 80ms @ 230Vac
Line Regulation	< 0.5% typ. (@ 85-264Vac input, 100% load)		
Load Regulation	< 1% typ. (@ 85-264Vac input, 0-100% load)		
INPUT SPECIFICATIONS			
Input Voltage Range	85-264Vac (DC input range 120-375Vdc)		
Input Frequency	47-63Hz	47-63Hz	47-63Hz
Nominal Current	0.40A max (< 0.32A @ 115Vac, < 0.22A @ 230Vac)	1.00A max (< 0.90A @ 115Vac, < 0.80A @ 230Vac)	1.50A max (< 1.10A @ 115Vac, < 0.70A @ 230Vac)
Max Inrush Current	< 30A @ 115Vac, < 65A @ 230Vac	< 30A @ 115Vac, < 60A @ 230Vac	< 30A @ 115Vac, < 65A @ 230Vac
Power Factor	Conform to EN61000-3-2 STD		
Efficiency	> 79.0%	> 79.0%	> 79.0%
Leakage Current	< 1mA @ 240Vac		
MECHANICAL			
Case Cover	SECC Steel	Aluminium	Aluminium
Dimensions (L x W x D)	75.2 x 51 x 28 mm	98 x 97 x 38 mm	128 x 97 x 38 mm
Unit Weight / Box	0.16kg	0.18kg	0.26kg
MTBF	> 700,000 hrs.	> 700,000 hrs.	> 700,000 hrs.
Noise	Sound pressure level (SPL) <40dBA		
Cooling	Convection		
Input / Output Terminal	Terminal Block 5 Pins (Rated 300V/15A)		
Input / Output Wire	AWG 22-14	AWG 18-14	I/P AWG 18-14, O/P AWG 16-14
Shock Proof	IEC60068-2-27		
Vibration	IEC60068-2-6		
Protection Structure	IPX0		
SAFETY			
EMC / Emissions	CISPR22, EN55022, FCC Title 47: Class B		
Immunity	EN55024: 1998/A1:2001/A2:2003 Level 3; EN61000-4-2, Level 4 “Criteria A”		
Safety Standard	UL60950-1, CSA C22.2 No. 60950-1, EN60950-1, IEC60950-1		
Voltage Dips	Conform to EN61000-4-11		
Galvanic Isolation	Input to Output: 3.0KVac Input to Ground: 1.5KVac Output to Ground: 0.5KVac		
Operating Ambient Temperature	-10°C ~ +70°C		
Storage Temperature	-25°C ~ +85°C		
Operating Humidity	< 95% RH (Non-Condensing)		
Derating	> 60°C derate power by 2.5% / °C	> 50°C derate power by 2.5% / °C	
Warranty	2 Years		
Reference Number	EOE11010276	EOE11010299	EOE11010277

PMC Panel Mount Power Supply
Product Specifications

12V PMC Panel Mount Power Supply

OUTPUT (DC)	PMC-12V035W1AA	PMC-12V050W1AA	PMC-12V100W1AA	PMC-12V150W1BA
Output Voltage	12V	12V	12V	12V
Output Voltage Range	11-14V	11-14V	11-14V	11-14V
Output Current	3.00A	4.17A	8.33A	12.5A
Output Power	35W	50W	100W	150W
Residual Ripple / PARD (20MHz)	< 100mVpp @ 25°C	< 100mVpp @ 25°C	< 100mVpp @ 25°C	< 100mVpp @ 25°C
Hold-up Time	> 15ms @ 115Vac, > 80ms @ 230Vac	> 15ms @ 115Vac, > 80ms @ 230Vac	> 15ms @ 115Vac, > 80ms @ 230Vac	> 30ms @ 115Vac & 230Vac
Line Regulation	< 0.5% typ. (@ 85-264Vac input, 100% load)			
Load Regulation	< 1% typ. (@ 85-264Vac input, 0-100% load)			
INPUT (AC)				
Input Voltage Range	85-264Vac (DC input range 120-375Vdc)			85-264Vac
Input Frequency	47-63Hz	47-63Hz	47-63Hz	47-63Hz
Nominal Current	0.90A max (< 0.75A @ 115Vac, < 0.50A @ 230Vac)	1.50A max (< 1.10A @ 115Vac, < 0.70A @ 230Vac)	3.00A max (< 2.00A @ 115Vac, < 1.10A @ 230Vac)	2.30A max (< 1.70A @ 115Vac, < 1.00A @ 230Vac)
Max Inrush Current	< 30A @ 115Vac, < 60A @ 230Vac	< 30A @ 115Vac, < 65A @ 230Vac	< 60A @ 115Vac, < 130A @ 230Vac	< 60A @ 115Vac, < 120A @ 230Vac
Power Factor	Conform to EN61000-3-2 STD		Conform to EN61000-3-2 STD Class A Limit	> 0.99 @ 115Vac, > 0.90 @ 230Vac
Efficiency	> 84.0%	> 84.0%	> 86.0%	> 87.0%
Leakage Current	< 1mA @ 240Vac			
MECHANICAL				
Case Cover	Aluminium	Aluminium	Aluminium	Aluminium
Dimensions (L x W x D)	98 x 97 x 38 mm	128 x 97 x 38 mm	158 x 97 x 38 mm	178 x 97 x 38 mm
Unit Weight / Box	0.21kg	0.26kg	0.45kg	0.54kg
MTBF	> 700,000 hrs.	> 700,000 hrs.	> 700,000 hrs.	> 700,000 hrs.
Noise	Sound pressure level (SPL) <40dBA			
Cooling	Convection			
Input Terminal	Terminal Block 5 Pins (Rated 300V/15A)		Terminal Block 7 Pins (Rated 300V/15A)	
Input / Output Wire	AWG 22-14	AWG 22-14	AWG 22-14	AWG 18-14
Shock Proof	IEC60068-2-27			
Vibration	IEC60068-2-6			
Protection Structure	IPX0			
SAFETY				
EMC / Emissions	CISPR22, EN55022, FCC Title 47: Class B			
Immunity	EN55024: 1998/A1:2001/A2:2003 Level 3; EN61000-4-2, Level 4 “Criteria A”			
Safety Standard	UL60950-1, CSA C22.2 No. 60950-1, EN60950-1, IEC60950-1			
Voltage Dips	Conform to EN61000-4-11			
Galvanic Isolation	Input to Output: 3.0KVac Input to Ground: 1.5KVac Output to Ground: 0.5KVac			
Operating Ambient Temperature	-10°C ~ +70°C			
Storage Temperature	-25°C ~ +85°C			
Operating Humidity	< 95% RH (Non-Condensing)			
Derating	> 50°C derate power by 2.5% / °C			
Warranty	2 Years			
Reference Number	EOE11010185	EOE11010186	EOE11010187	EOE12010351



24V PMC Panel Mount Power Supply

OUTPUT (DC)	PMC-024V035W1AA	PMC-024V050W1AA	PMC-024V075W1AA	PMC-024V100W1AA
Output Voltage	24V	24V	24V	24V
Output Voltage Range	22-28V	22-28V	22-28V	22-28V
Output Current	1.46A	2.10A	3.12A	4.17A
Output Power	35W	50W	75W	100W
Residual Ripple / PARD (20MHz)	< 150mVpp @ 25°C	< 150mVpp @ 25°C	< 100mVpp @ 25°C	< 150mVpp @ 25°C
Hold-up Time	> 15ms @ 115Vac, > 80ms @ 230Vac	> 15ms @ 115Vac, > 90ms @ 230Vac	> 15ms @ 115Vac, > 90ms @ 230Vac	> 15ms @ 115Vac, > 90ms @ 230Vac
Line Regulation	< 0.5% typ. (@ 85-264Vac input, 100% load)			
Load Regulation	< 1% typ. (@ 85-264Vac input, 0-100% load)			
INPUT (AC)				
Input Voltage Range	85-264Vac (DC input range 120-375Vdc)			
Input Frequency	47-63Hz	47-63Hz	47-63Hz	47-63Hz
Nominal Current	0.90A max (< 0.72A @ 115Vac, < 0.40A @ 230Vac)	1.50A max (< 1.10A @ 115Vac, < 0.70A @ 230Vac)	1.80A max (< 1.50A @ 115Vac, < 1.00A @ 230Vac)	3.00A max (< 2.00A @ 115Vac, < 1.10A @ 230Vac)
Max Inrush Current	< 30A @ 115Vac, < 60A @ 230Vac	< 30A @ 115Vac, < 60A @ 230Vac	< 40A @ 115Vac, < 80A @ 230Vac	< 50A @ 115Vac, < 100A @ 230Vac
Power Factor	Conform to EN61000-3-2 STD			Conform to EN61000-3-2 STD Class A Limit
Efficiency	> 85.0%	> 86.0%	> 86.0%	> 86.0%
Leakage Current	< 1mA @ 240Vac			
MECHANICAL				
Case Cover	Aluminium	Aluminium	Aluminium	Aluminium
Dimensions (L x W x D)	128 x 97 x 38 mm			158 x 97 x 38 mm
Unit Weight / Box	0.24kg	0.26kg	0.30kg	0.41kg
MTBF	> 700,000 hrs.	> 700,000 hrs.	> 700,000 hrs.	> 700,000 hrs.
Noise	Sound pressure level (SPL) <40dBA			
Cooling	Convection			
Input / Output Terminal	Terminal Block 5 Pins (Rated 300V/15A)			Terminal Block 7 Pins (Rated 300V/15A)
Input / Output Wire	AWG 22-12	AWG 22-12	AWG 22-12	AWG 22-12
Shock Proof	IEC60068-2-27			
Vibration	IEC60068-2-6			
Protection Structure	IPX0			
SAFETY				
EMC / Emissions	CISPR22, EN55022, FCC Title 47: Class B			
Immunity	EN55024: 1998/A1:2001/A2:2003 Level 3; EN61000-4-2, Level 4 “Criteria A”			
Safety Standard	UL60950-1, CSA C22.2 No. 60950-1, EN60950-1, IEC60950-1			
Voltage Dips	Conform to EN61000-4-11			
Galvanic Isolation	Input to Output: 3.0KVac Input to Ground: 1.5KVac Output to Ground: 0.5KVac			
Operating Ambient Temperature	-10°C ~ +70°C			
Storage Temperature	-25°C ~ +85°C			
Operating Humidity	< 95% RH (Non-Condensing)			
Derating	> 50°C derate power by 2.5% / °C			
Warranty	2 Years			
Reference Number	EOE11010118	EOE11010119	EOE11010208	EOE11010120

PMC Panel Mount Power Supply
Product Specifications

	24V PMC Panel Mount Power Supply			Dual Output
OUTPUT (DC)	**PMC-24V150W1AA**	**PMC-24V150W2AA**	**PMC-24V300W1BA**	**PMC-DSPV100W1A**
Output Voltage	24V	24V	V1: 24V, V2 Stand by: 12V	V1: 24V, V2: 5V
Output Voltage Range	22-28V	22-28V	V1: 24V ± 2%, V2 Stand by: 12V ± 5%	V1: 24V ± 2%, V2: 5V ± 2%
Output Current	6.25A	6.25A	V1: 12.50A, V2 Stand by: 0.50A	V1: 24V / 0.3-4.0A (2.7A rated), V2: 5V / 0.8-7.0A (7.0A rated)
Output Power	150W	150W	300W	100W
Residual Ripple / PARD (20MHz)	< 100mVpp @ 25°C	< 100mVpp @ 25°C	< 100mVpp @ 25°C	< 200mVpp (24V), < 80mVpp (5V)
Hold-up Time	> 15ms @ 115Vac, > 80ms @ 230Vac	> 15ms @ 230Vac with 150 load	> 15ms @ typical range with 300W load	> 15ms @ 115Vac, > 80ms @ 230Vac
Line Regulation	< 0.5% typ. (@ 85-264Vac input, 100% load)			
Load Regulation	< 1% typ. (@ 85-264Vac input, 0-100% load)			
INPUT (AC)				
Input Voltage Range	85-264Vac	180-264Vac (DC input range 220-375Vdc)	85-264Vac	85-264Vac (DC input range 120-375Vdc)
Input Frequency	47-63Hz	47-63Hz	47-63Hz	47-63Hz
Nominal Current	3.80A max (< 3.10A @ 115Vac, < 2.00A @ 230Vac)	2.00A max (< 1.60A @ 230Vac)	5.00A max (< 4.00A @ 115Vac, < 2.00A @ 230Vac)	3.20A max (< 2.00A @ 115Vac, < 1.10A @ 230Vac)
Max Inrush Current	< 60A @ 115Vac, < 120A @ 230Vac	< 120A @ 230Vac	< 35A @ 115Vac, < 70A @ 230Vac	< 50A @ 115Vac, < 100A @ 230Vac
Power Factor	NA	Conform to EN61000-3-2 STD	0.99 @ 115Vac, 0.97@ 230Vac	Conform to EN61000-3-2 STD Class A Limit
Efficiency	> 86.0%	> 87.0%	> 88.0%	> 86.0%
Leakage Current	< 1mA @ 240Vac			
MECHANICAL				
Case Cover	Aluminium	Aluminium	Aluminium	Aluminium
Dimensions (L x W x D)	178 x 97 x 38 mm	178 x 97 x 38 mm	199 x 105 x 41 mm	178 x 97 x 38 mm
Unit Weight / Box	0.48kg	0.50kg	0.82kg	0.52kg
MTBF	> 700,000 hrs.	> 700,000 hrs.	> 700,000 hrs. (limited by fan life)	> 700,000 hrs.
Noise	Sound pressure level (SPL) <40dBA			
Cooling	Convection		Fan	Convection
Input / Output Terminal	Terminal Block 7 Pins (Rated 300V/15A)		Terminal Block 7 Pins (C44M-BS1107)	Terminal Block 7 Pins (Rated 300V/15A)
Input / Output Wire	AWG 22-14	AWG 22-14	AWG 20-16	AWG 22-14
Shock Proof	IEC60068-2-27			
Vibration	IEC60068-2-6			
Protection Structure	IPX0		IP20	IPX0
SAFETY				
EMC / Emissions	CISPR22, EN55022, FCC Title 47: Class B			
Immunity	EN55024: 1998/A1:2001/A2:2003 Level 3; EN61000-4-2, Level 4 “Criteria A”			
Safety Standard	UL60950-1, CSA C22.2 No. 60950-1, EN60950-1, IEC60950-1			
Voltage Dips	Conform to EN61000-4-11			
Galvanic Isolation	Input to Output: 3.0KVac Input to Ground: 1.5KVac Output to Ground: 0.5KVac			
Operating Ambient Temperature	-10°C ~ +70°C			
Storage Temperature	-25°C ~ +85°C			
Operating Humidity	< 95% RH (Non-Condensing)			
Derating	> 50°C derate power by 2.5% / °C			
Warranty	2 Years		3 Years	2 Years
Reference Number	EOE12010188	EOE12010396	EOE13010225	EOE11010192

Standard Products
AMD Medical Adapter

Product Introduction

The AMD Medical Adapter product range offers fixed output voltages of 12V for 30W and 24V for 60W and 80W output ratings. The state of the art design has a wide operating temperature range of 0°C to 40°C and its rugged plastic body design can withstand demanding safety and environmental requirements.

Delta's medical adapters have various protection features such as overvoltage, overcurrent and over temperature protections. The products operate at wide input range of 90 - 264Vac and have two types of AC sockets, C8 and C14 for European and other countries, which make it versatile for use under different operating conditions. The Barrel type output connector has a 1.5m long cable. They are available in two different types for 30W and 60W with an internal pin diameter of Ø2.1mm or Ø2.5mm. The output type for 80W is a 5-Pin DIN type.

Typical Applications


- Healthcare Information Systems
- Nurse Call Stations
- Hospital Data Systems
- Medical Monitors
- IV Infusion Pumps and Drips
- Laboratory Equipments
- Dental Equipments
- Ultrasound Equipment

AMD Medical Adapter
12V 30W Power Supply

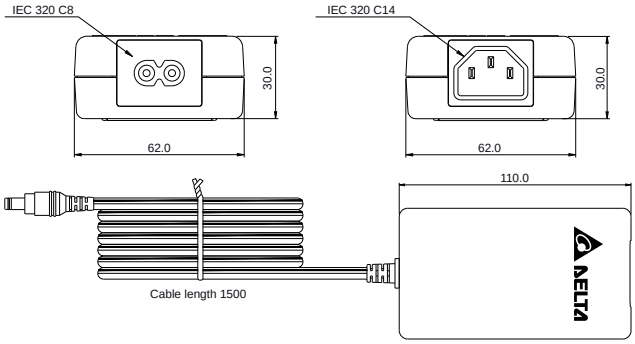
E325662

AMD

▶ HIGHLIGHTS & FEATURES

- Universal input
- AC Receptacle with C8 & C14 option
- Efficiency > 83.5%
- Low leakage current
- Brownout & Brownout recovery
- Meets Energy Star Level V
- Complies to medical safety standard approvals
- RoHS Compliant

▶ MECHANICAL DRAWING



▶ TECHNICAL DATA

OUTPUT SPECIFICATIONS	
Output Voltage	12V
Output Current Range	2.50A
Output Power	30W
Transient Response	0.5ms for 50% load change typ.
Hold-up Time	> 15ms @ 115Vac
Rise Time	< 20ms
Start-up Delay Time	< 3 sec
Line Regulation	± 0.5%
Load Regulation	Excluding output cord ±1%; Including output cord ±5%
Output Protection	Overcurrent (auto recovery); Overvoltage (latch); Over temperature (latch)
MECHANICAL	
Case Cover	Plastic (PC)
Dimensions (L x W x D)	110 x 62 x 30 mm
Unit Weight / Box	0.22kg
Output Wire Size	AWG18
Connector Type	Barrel
Shock Test	40G, 11ms, 3 shock in each direction
Vibration	5-500Hz @ 20m/s² (2G peak) for 20min/axis

INPUT SPECIFICATIONS	
Input Voltage Range	90-264Vac
Input Frequency	47-63Hz
Maximum Input Current	< 0.60A @ 115Vac, < 0.40A @ 230Vac
Max Inrush Current	< 20A @ 115Vac, < 40A @ 230Vac
Input Protection	Internal fuse
Leakage Current	< 0.25mA
SAFETY	
EMC / Emissions	CISPR11, EN55011, FCC Title 47: Class B
Immunity	EN61000-4-2, 3, 4, 5, 6, 11 Level 3 “Criteria A”
Safety Standard	UL60601-1, CSA60601-1, EN60601-1, IEC60601-1
Voltage Flicker	EN61000-3-3
Operating Ambient Temperature	0°C ~ +40°C
Storage Temperature	-30°C ~ +85°C
Operating Humidity	5% to 95% Non-Condensing
Cooling	Convectional - Non Vented Case

Refer to page 53 for the connector type dimensions

24V 60W Power Supply

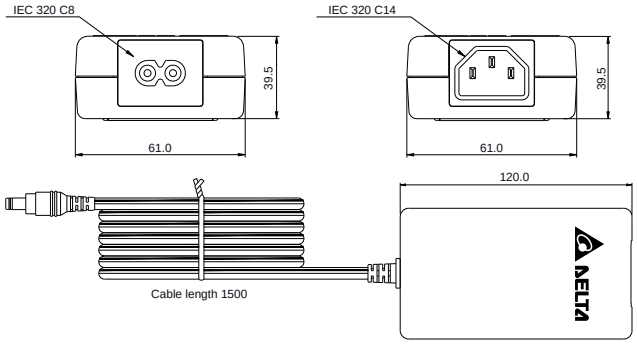
E325662

AMD

HIGHLIGHTS & FEATURES

- Universal input
- AC Receptacle with C8 & C14 option
- Efficiency > 87.0%
- Low leakage current
- Brownout & Brownout recovery
- Meets Energy Star Level V
- Complies to medical safety standard approvals
- RoHS Compliant

MECHANICAL DRAWING



TECHNICAL DATA

OUTPUT SPECIFICATIONS	
Output Voltage	24V
Output Current Range	2.50A
Output Power	60W
Transient Response	0.5ms for 50% load change typ.
Hold-up Time	> 15ms @ 115Vac
Rise Time	< 20ms
Start-up Delay Time	< 3 sec
Line Regulation	± 0.5%
Load Regulation	Excluding output cord ±1%; Including output cord ±5%
Output Protection	Overcurrent (auto recovery); Overvoltage (latch); Over temperature (latch)
MECHANICAL	
Case Cover	Plastic (PC)
Dimensions (L x W x D)	120 x 61 x 39.5 mm
Unit Weight / Box	0.28kg
Output Wire Size	AWG18
Connector Type	Barrel
Shock Test	40G, 11ms, 3 shock in each direction
Vibration	5-500Hz @ 20m/s² (2G peak) for 20min/axis

INPUT SPECIFICATIONS	
Input Voltage Range	90-264Vac
Input Frequency	47-63Hz
Maximum Input Current	< 1.10A @ 115Vac, < 0.70A @ 230Vac
Max Inrush Current	< 30A @ 115Vac, < 70A @ 230Vac
Input Protection	Internal fuse
Leakage Current	< 0.25mA
SAFETY	
EMC / Emissions	CISPR11, EN55011, FCC Title 47: Class B
Immunity	EN61000-4-2, 3, 4, 5, 6, 11 Level 3 “Criteria A”
Safety Standard	UL60601-1, CSA60601-1, EN60601-1, IEC60601-1
Voltage Flicker	EN61000-3-3
Operating Ambient Temperature	0°C ~ +40°C
Storage Temperature	-30°C ~ +85°C
Operating Humidity	5% to 95% Non-Condensing
Cooling	Convectional - Non Vented Case

*Refer to page 53 for the connector type dimensions

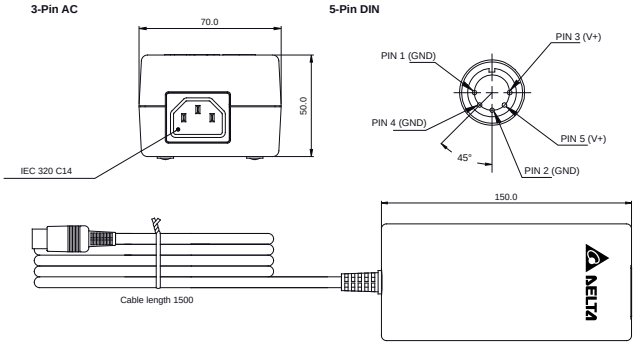
AMD Medical Adapter
24V 80W Power Supply

AMD

▶ HIGHLIGHTS & FEATURES

- Universal input
- AC Receptacle with C8 & C14 option
- Efficiency > 83.5%
- Low leakage current
- Brownout & Brownout recovery
- Meets Energy Star Level V
- Complies to medical safety standard approvals
- RoHS Compliant

▶ MECHANICAL DRAWING



▶ TECHNICAL DATA

OUTPUT SPECIFICATIONS	
Output Voltage	24V
Output Current Range	3.30A
Output Power	80W
Transient Response	0.5ms for 50% load change typ.
Hold-up Time	> 15ms @ 115Vac
Rise Time	< 20ms
Start-up Delay Time	< 3 sec
Line Regulation	± 0.5%
Load Regulation	Excluding output cord ±1%; Including output cord ±5%
Output Protection	Overcurrent (auto recovery); Overvoltage (latch); Over temperature (latch)
MECHANICAL	
Case Cover	Plastic (PC)
Dimensions (L x W x D)	150 x 70 x 50 mm
Unit Weight / Box	0.55kg
Output Wire Size	AWG18
Connector Type	5-Pin DIN
Shock Test	40G, 11ms, 3 shock in each direction
Vibration	5-500Hz @ 20m/s² (2G peak) for 20min/axis

INPUT SPECIFICATIONS	
Input Voltage Range	90-264Vac
Input Frequency	47-63Hz
Maximum Input Current	< 0.80A @ 115Vac, < 0.42A @ 230Vac
Max Inrush Current	< 30A @ 115Vac, < 70A @ 230Vac
Input Protection	Internal fuse
Leakage Current	< 0.25mA
SAFETY	
EMC / Emissions	CISPR11, EN55011, FCC Title 47: Class B
Immunity	EN61000-4-2, 3, 4, 5, 6, 11 Level 3 “Criteria A”
Safety Standard	UL60601-1, CSA60601-1, EN60601-1, IEC60601-1
Voltage Flicker	EN61000-3-3
Operating Ambient Temperature	0°C ~ +40°C
Storage Temperature	-30°C ~ +85°C
Operating Humidity	5% to 95% Non-Condensing
Cooling	Convectional - Non Vented Case

*Refer to page 53 for the connector type dimensions

AMD Medical Adapter
Product Specifications

	12V Medical Adapter	24V Medical Adapter	
OUTPUT (DC)	**AMD-12V030WXYA**	**AMD-24V060WXYA**	**AMD-24V080WXYA**
Output Voltage	12V	24V	24V
Output Current Range	2.50A	2.50A	3.30A
Output Power	30W	60W	80W
Transient Response	0.5ms for 50% load change typ.		
Hold-up Time	> 15ms @ 115Vac	> 15ms @ 115Vac	> 15ms @ 115Vac
Rise Time	< 20ms	< 20ms	< 20ms
Startup Delay Time	< 3 sec	< 3 sec	< 3 sec
Line Regulation	± 0.5%	± 0.5%	± 0.5%
Load Regulation	Excluding output cord ± 1%; Including output cord ± 5%		
Output Protection	Overcurrent (auto recovery); Overvoltage (latch); Over temperature (latch)		
INPUT (AC)			
Input Voltage Range	90-264Vac		
Input Frequency	47-63Hz	47-63Hz	47-63Hz
Nominal Current	< 0.60A @ 115Vac, < 0.40A @ 230Vac	< 1.10A @ 115Vac, < 0.70A @ 230Vac	< 0.80A @ 115Vac, < 0.42A @ 230Vac
Inrush Current Limitation	20A @ 115Vac, 40A @ 230Vac	30A @ 115Vac, 70A @ 230Vac	30A @ 115Vac, 70A @ 230Vac
Input Protection	Internal fuse		
Leakage Current	< 0.25mA		
MECHANICAL			
Case Cover	Plastic (PC)	Plastic (PC)	Plastic (PC)
Dimensions (L x W x D)	110 x 62 x 30 mm	120 x 61 x 39.5 mm	150 x 70 x 50 mm
Unit Weight / Box	0.22kg	0.28kg	0.55kg
Output Wire Size	AWG18		
Connector Type	Barrel		5-Pin DIN
Shock Test	40G, 11ms, 3 shock in each direction		
Vibration	5-500Hz @ 20m/s² (2G peak) for 20min/axis		
SAFETY			
EMC / Emissions	CISPR11, EN55011, FCC Title 47: Class B		
Immunity	EN61000-4-2, 3, 4, 5, 6, 11 Level 3 “Criteria A”		
Safety Standard	UL60601-1, CSA60601-1, EN60601-1, IEC60601-1		
Voltage Flicker	EN61000-3-3		
Operating Ambient Temp.	0°C ~ +40°C		
Storage Temperature	-30°C ~ +85°C		
Operating Humidity	5% to 95% Non-Condensing		
Cooling	Convectional - Non Vented Case		
Warranty	2 Years		
Reference Number	EOE11010101	EOE11010102	EOE11010103

AMD Medical Adapter
Product Specifications

CONNECTOR TYPES

MODEL NUMBERING FOR AMD-12V030WXYA						
AM	**D**	**12V**	**030W**	**X**	**Y**	**A**
Product Type	Desktop	Output Voltage	Output Power	Input Configuration # 2-2 PIN AC # 3-3 PIN AC	Connector Type A - Ø inner 2.5mm B - Ø inner 2.1mm (Ø outer 5.5mm)	Delta Standard Product

MODEL NUMBERING FOR AMD-24V060WXYA						
AM	**D**	**24V**	**060W**	**X**	**Y**	**A**
Product Type	Desktop	Output Voltage	Output Power	Input Configuration # 2-2 PIN AC # 3-3 PIN AC	Connector Type A - Ø inner 2.5mm B - Ø inner 2.1mm (Ø outer 5.5mm)	Delta Standard Product

MODEL NUMBERING FOR AMD-24V080WXYA						
AM	**D**	**24V**	**080W**	**X**	**Y**	**A**
Product Type	Desktop	Output Voltage	Output Power	Input Configuration # 2-2 PIN AC # 3-3 PINC AC	Connector Type C - 5 PIN	Delta Standard Product

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