

CliQ Din Rail Power Supply

24V 480W 3 Phase

DRP024V480W3AA



DRP024V480W3AA

480Watts

Total Power: 480Watts
Input Voltage: 320-575Vac
of Output: Single

Model number	DRP024V480W3AA
Reference no.	EOE13010010
OUTPUT (DC)	
Output power	480W
Output voltage range	22 - 28V
Output current	20A
Residual ripple/peak switching (20MHz) (@ nominal values)	< 50mV / < 240mVpp
Mains buffering at nominal load (typ.)	> 25ms @ 3 x 400Vac, > 50ms @ 3 x 500Vac
Line regulation	< 0.5% typ. (@ 320 - 575Vac input, 100% load)
Load regulation	< 1% typ. (with rated input, 0 - 100% load)
INPUT (AC)	
Input voltage range	320 - 575Vac (DC input range 450 - 800Vdc)
Input frequency	47 - 63Hz
Nominal current	1.6A @ 400Vac approx.
Efficiency	> 87% @ 3 x 400Vac, > 86% @ 3 x 500Vac
Power factor	Conform to EN61000-3-2 STD
Inrush current limitation I ² t (+25°C) typ.	< 50A @ 400Vac
Leakage current	< 3.5mA

Special Features

- Ease of wire connection to terminals
- Compact design for easy handling
- Overload protection
- Overvoltage protection
- Thermal protection
- Power boost 150% for 3 seconds
- Expected life time : 10 years
- Shock proof IEC60068-2-27
- Vibration IEC60068-2-6
- Cooling : Convection
- Operating Humidity : < 95%
- Redundancy : Yes
(with external ORing diode)
- RoHS compliant

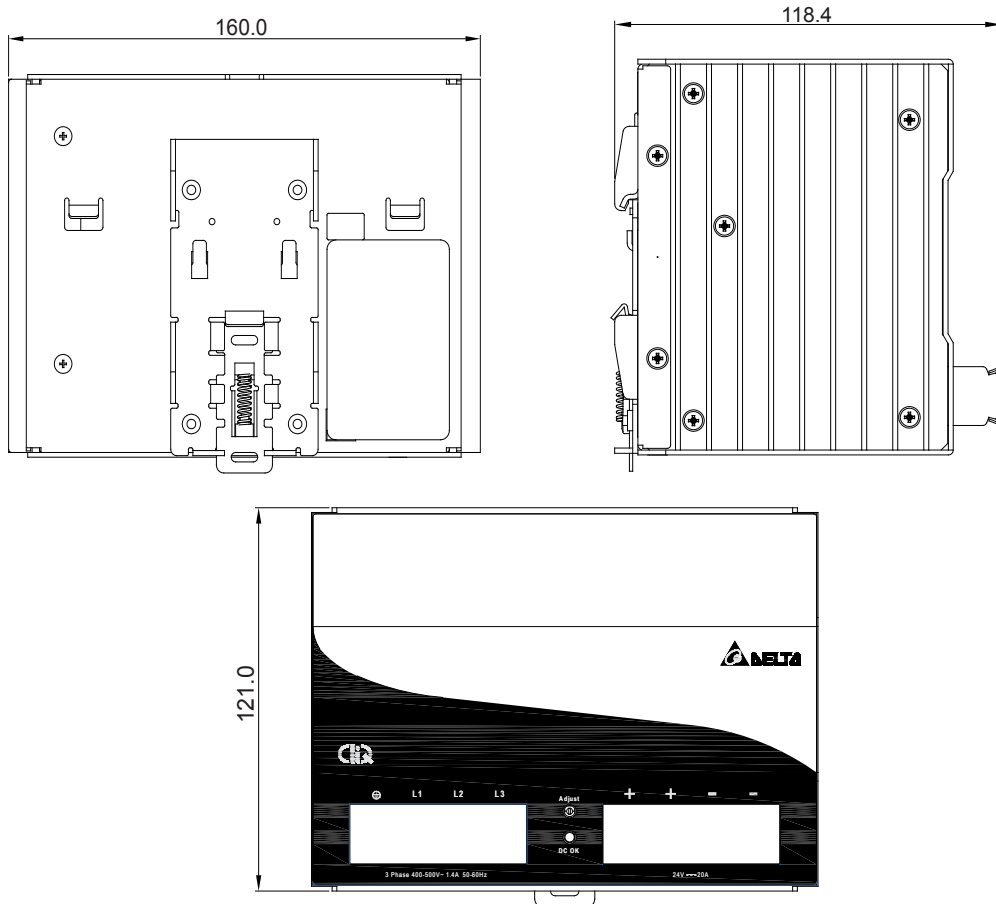
MECHANICAL DESIGN

Case cover	Aluminium (Al5052)
Dimensions (L x W x H)	121mm x 160mm x 118.5mm
Unit weight / box	1.710kg
MTBF	> 300,000 hrs
Noise	Sound pressure level (SPL) < 40dBA
Cooling	Convection
Input terminal	M4 x 4; 600V rating
Output terminal	M4 x 2 (2 pcs); 600V rating
Mounting rail	Standard TS35 mounting rail
Shock proof	IEC60068-2-27
Vibration	IEC60068-2-6
Protection structure	EN60950 meet IPX0



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MECHANICAL DRAWING



Delta Electronics (Thailand)
Public Company Limited
909 Moo 4, E.P.Z.,
Bangpoo Industrial Estate,
Tambon Prakasa, Amphur
Muang Samutprakarn,
Samutprakarn 10280, Thailand
Tel: +662 709 2800
Fax: +662 709 2827
E-mail: VL@delta.co.th
www.deltaenergysystems.com

SAFETY / ENVIRONMENTAL

EMC / Emissions

Class B / EN55022, CISPR22, Class B;
FCC Tilte 47; EN61204-3 (Class B on AC &
Class A on DC side), EN55022:2006 Class
B, EN61000-3-2:2006, EN61000-3-3:1995/
A1:2001/A2:2005

Immunity

EN55024:1998/A1:2001/A2:2003

Safety standard

UL508, CSA C22.2 No.107.1-01, UL60950-1,
CSA C22.2 No.60950-1, IEC60950-1,
EN60950-1, EN50178, IEC62103 and
IEC60204-1

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%

Note (*)

* Operating amb. > 50°C derate power
by 2.5% / °C