

# CliQ Din Rail Power Supply

## 24V 60W 3 Phase

### DRP024V060W3AA



DRP024V060W3AA

60Watts

Total Power: 60Watts  
Input Voltage: 320-575Vac  
# of Output: Single

**Model number** DRP024V060W3AA

**Reference no.** EOE11010007

**OUTPUT (DC)**

Output power 60W

Output voltage range 22 - 28V

Output current 2.5A

Residual ripple/peak switching (20MHz) (< @ nominal values) < 50mV / < 240mVpp

Mains buffering at nominal load (typ.) > 30ms @ 3 x 400Vac, > 60ms @ 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 0.3A @ 400Vac approx.

Efficiency > 86% @ 3 x 400Vac, > 85% @ 3 x 500Vac

Power factor Conform to EN61000-3-2 STD

Inrush current limitation I<sup>2</sup>t (+25°C) typ. < 30A @ 400Vac

Leakage current < 3.5mA

**MECHANICAL DESIGN**

Case cover Aluminium (Al5052)

Dimensions (L x W x H) 121mm x 70mm x 118.5mm

Unit weight / box 0.560kg

MTBF > 500,000 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

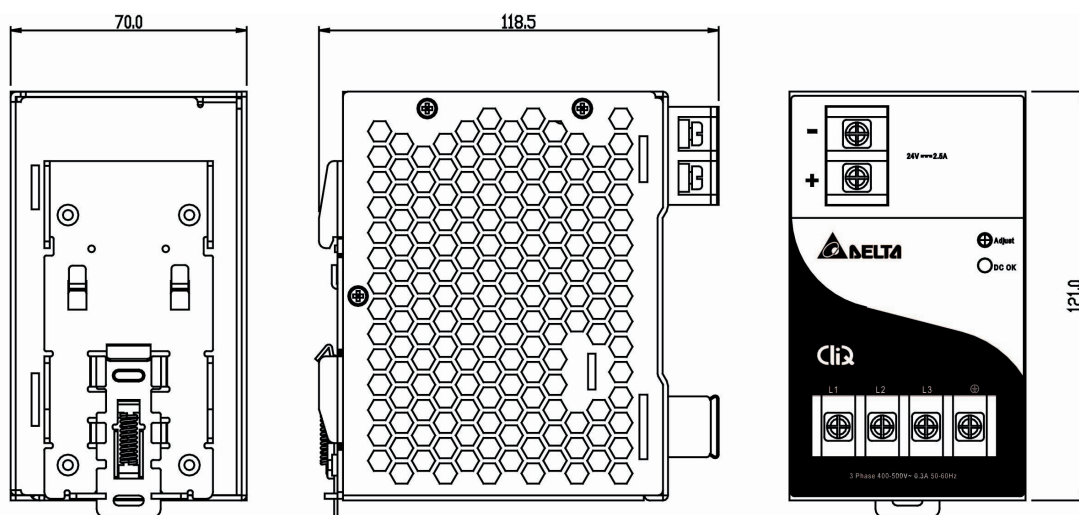
**Special Features**

- 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



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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](http://www.deltaenergysystems.com)

## SAFETY / ENVIRONMENTAL

EMC / Emissions

Class B / EN55022, CISPR22, Class B;  
FCC Title 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