

# CliQ Din Rail Power Supply

## 24V 60W 1 Phase Plastic

### DRP024V060W1AZ



DRP024V060W1AA

60Watts

Total Power: 60Watts  
Input Voltage: 85-264Vac  
# of Output: Single

<b>Model number</b>	<b>DRP024V060W1AZ</b>
<b>Reference no.</b>	<b>D0116888</b>
<b>OUTPUT (DC)</b>	
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.)	> 20ms @ 115Vac, > 125ms @ 230Vac
Line regulation	< 0.5% typ. (@ 85 - 264Vac input, 100% load)
Load regulation	< 1% typ. (with rated input, 0 - 100% load)
<b>INPUT (AC)</b>	
Input voltage range	85 - 264Vac (DC input range 120 - 375Vdc)
Input frequency	47 - 63Hz
Nominal current	1.1A @ 115Vac, 0.7A @ 230Vac
Efficiency	> 85% typ.
Power factor	Conform to EN61000-3-2 STD
Inrush current limitation I <sup>2</sup> t (+25°C) typ.	< 40A @ 115Vac, < 80A @ 230Vac
Leakage current	< 1mA

<b>MECHANICAL DESIGN</b>	
Case cover	Plastic (PC)
Dimensions (L x W x H)	120.6mm x 32mm x 113mm
Unit weight / box	0.325kg
MTBF	> 800,000 hrs
Noise	Sound pressure level (SPL) < 40dBA
Cooling	Convection
Input terminal	M4 x 3
Output terminal	M4 x 2
Mounting rail	Standard TS35 mounting rail
Shock proof	IEC60068-2-27
Vibration	IEC60068-2-6
Protection structure	EN60950 meet IPX0

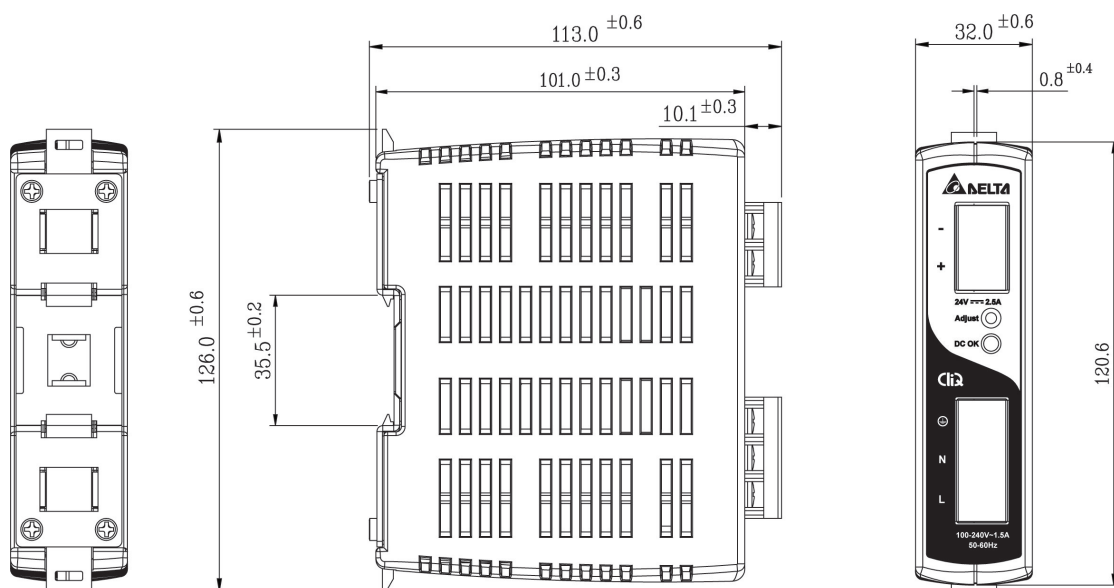
### Special Features

- 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  
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## 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. < 0°C until -20°C derate  
power by 1% / °C; Operating amb. > 50°C  
derate power by 2.5% / °C; Operating amb.  
> 70°C derate power by 4% / °C