

# CliQ Din Rail Power Supply

## 24V 60W 1 Phase

### DRP024V060W1AA



DRP024V060W1AA

60Watts

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

| Model number                                                 | DRP024V060W1AA                               |
|--------------------------------------------------------------|----------------------------------------------|
| Reference no.                                                | EOE11010006                                  |
| OUTPUT (DC)                                                  |                                              |
| Output power                                                 | 60W                                          |
| Output voltage range                                         | 22 - 28V                                     |
| Output current                                               | 2.5A                                         |
| Residual ripple/peak switching (20MHz)<br>(@ 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)  |
| INPUT (AC)                                                   |                                              |
| 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                                        |

#### MECHANICAL DESIGN

|                        |                                    |
|------------------------|------------------------------------|
| Case cover             | Aluminium (Al5052)                 |
| Dimensions (L x W x H) | 121mm x 32mm x 120mm               |
| Unit weight / box      | 0.370kg                            |
| 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

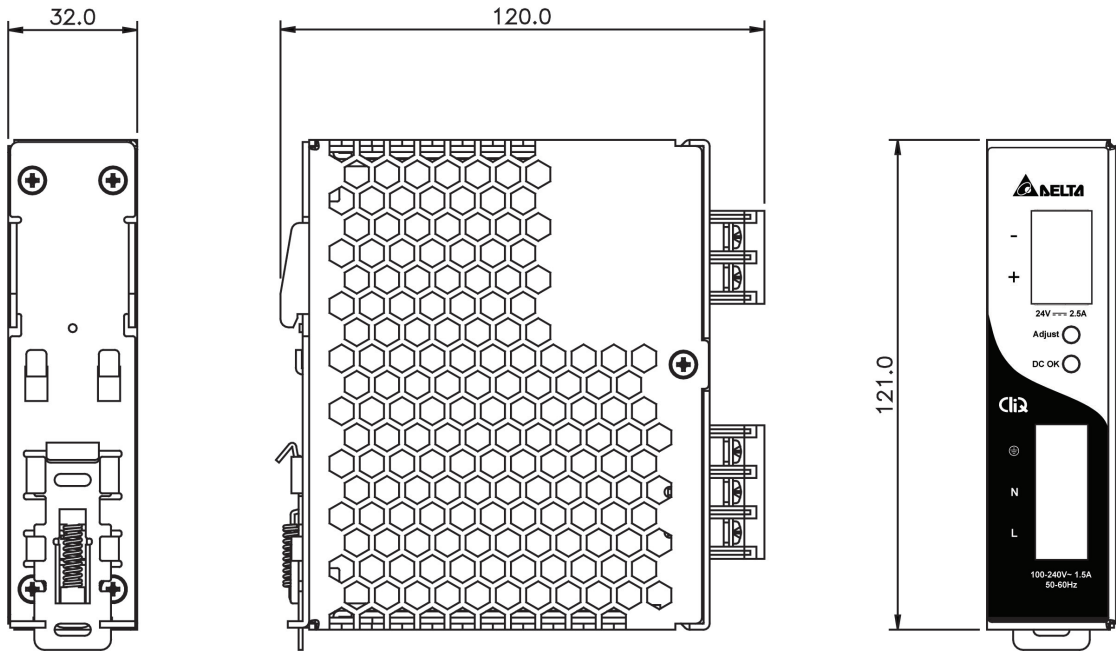


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#### MECHANICAL DRAWING



Delta Electronics (Thailand)  
Public Company Limited  
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;<br>FCC Tilte 47; EN61204-3 (Class B on AC &<br>Class A on DC side), EN55022:2006 Class<br>B, EN61000-3-2:2006, EN61000-3-3:1995/<br>A1:2001/A2:2005 |
| Immunity                      | EN55024:1998/A1:2001/A2:2003                                                                                                                                                             |
| Safety standard               | UL508, CSA C22.2 No.107.1-01,UL60950-1,<br>CSA C22.2 No.60950-1, IEC60950-1,<br>EN60950-1, EN50178, IEC62103 and<br>IEC60204-1                                                           |
| Voltage dips                  | Conform to EN61000-4-11                                                                                                                                                                  |
| Galvanic isolation            | Input to output: 4KVac<br>Input to ground: 1.5KVac<br>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<br>power by 1% / °C; Operating amb. > 50°C<br>derate power by 2.5% / °C                                                                        |