

# CliQ Din Rail Power Supply

## 12V 100W 1 Phase

### DRP012V100W1AA



DRP012V100W1AA

100Watts

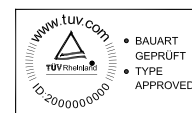
Total Power: 100Watts  
Input Voltage: 85-264Vac  
# of Output: Single



<b>Model number</b>	<b>DRP012V100W1AA</b>
<b>Reference no.</b>	<b>EOE11010160</b>
<b>OUTPUT (DC)</b>	
Output power	100W
Output voltage range	11-14V
Output current	8.33A (100W max.)
Residual ripple/peak switching (20MHz) (@ nominal values)	< 100mV
Mains buffering at nominal load (typ.)	> 22ms @ 115Vac, > 110ms @ 230Vac
Line regulation	< 0.5% typ. (@ 85 - 264Vac input, 100% load)
Load regulation	< 1% Typical (with rated input, 0 to 100% load)
<b>INPUT (AC)</b>	
Input voltage range	85 - 264Vac (DC input range 120 - 375Vdc)
Input frequency	47 - 63Hz
Nominal current	2.90A Max ( 2.5A @ 115Vac & 1.5A @ 230Vac)
Efficiency	Min 86% @ 115Vac & Min 87.5% @ 230Vac
Power factor	Conform to EN61000-3-2 STD
Inrush current limitation I <sup>2</sup> t (+25°C) typ.	< 100A @ 115VAC & No Damage @ 230VAC
Leakage current	< 1mA
<b>MECHANICAL DESIGN</b>	
Case cover	Aluminium (Al5052)
Dimensions (L x W x H)	121mm x 50mm x 118.2mm
Unit weight / box	0.636kg
MTBF	> 300,000 hrs
Noise	Sound pressure level (SPL) < 40dBA
Cooling	Convection
Input terminal	M4 x 3
Output terminal	M4 x 2 QPA-2pcs
Mounting rail	Standard TS35 mounting rail
Shock proof	IEC60068-2-27
Vibration	IEC60068-2-6
Protection structure	EN60950 meet IPX0

#### Special Features

- Ease of multiple wire connection
- Compact design for easy handling
- Overload protection
- Thermal protection
- Power boost 150% for 3secs
- Expected life time: 10 years
- Redundancy: Yes (with external ORing diode)
- RoHS compliant

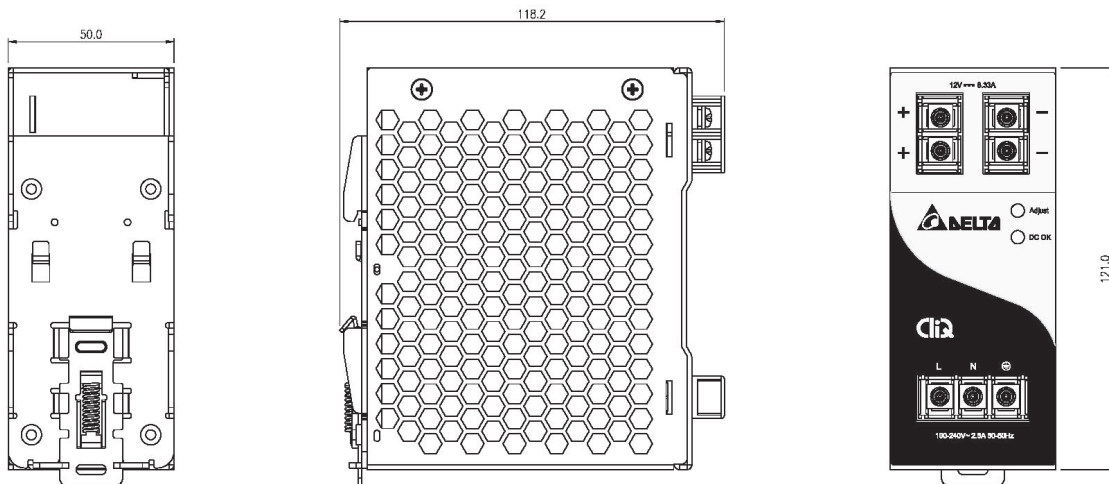


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#### MECHANICAL DRAWING



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#### SAFETY / ENVIRONMENTAL

EMC / Emissions	EN61000-3-2, 3 : 1995/A1 : 2001/A2 : 2005, EN55022 : 2006 Class B, EN55011 : 1998/A2 : 2002 Class B, EN6100-6-1 (IEC61000-4-2, 3, 4, 5, 6, 8, 11)
Immunity	EN61000-6-2, EN55024, EN61000-4-2, IEC61000-4-3, 4, 5, 6, 8, 11
Safety standard	UL Listed for UL508 & CSA 22.2 no.107.1-01, UL Recognized for UL60950-1 & CSA 22.2 no.60950-1, UL60950-1 and CSA 22.2 no.107.1-01, TUV Bavart Mark to EN60950-1, EN50178 : 1998, IEC60204-1 : 1998 & IEC62103 : 2003, CB cert from TUV to IEC60950-1, CE (EMC and Low Voltage directive) , CCSAUS to CSA 22.2 no.60950-1
Voltage dips	Conforms 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