

AC-DC Power Supply 24V Datasheet



SPECIFICATIONS	
Input Parameters	
Voltage Type	3 phase input
Voltage Range	180V AC to 400VAC
Frequency	47 – 63Hz
Power Factor (Typical)	> 0.8
Output Parameters	
Output Voltage	24V DC
Output Current	25A
Environmental Parameters	
Working Temperature	-10degC to 70degC
Humidity	20 – 95% non-condensing
Protection Parameters	
Overload	
Over Voltage	
Over Temperature	Temperature measured at heat sink. If Heatsink temperature exceeds 70degC, device starts to de-rate output power to 80% of rated power. If heatsink temperature exceeds 85degC, unit shuts down

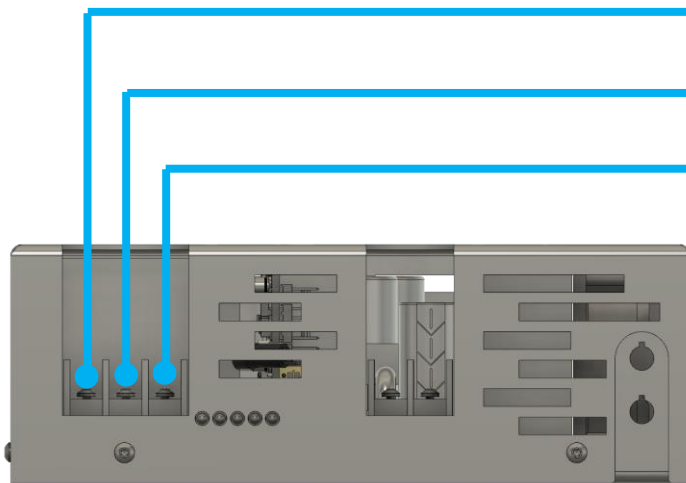
SPECIFICATIONS

Mechanical Parameters

Dimensions	230 x 192 x 68 mm (L x W x H)
Weight	3.6kg

Converter Connections

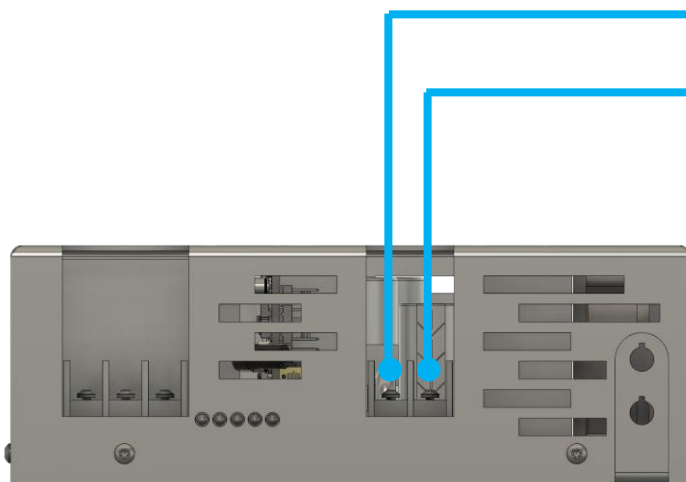
Input Connections:



Phase 1 (L1)
Phase 2 (L2)
Phase 3 (L3)

Converter View from Front

Output Connections:

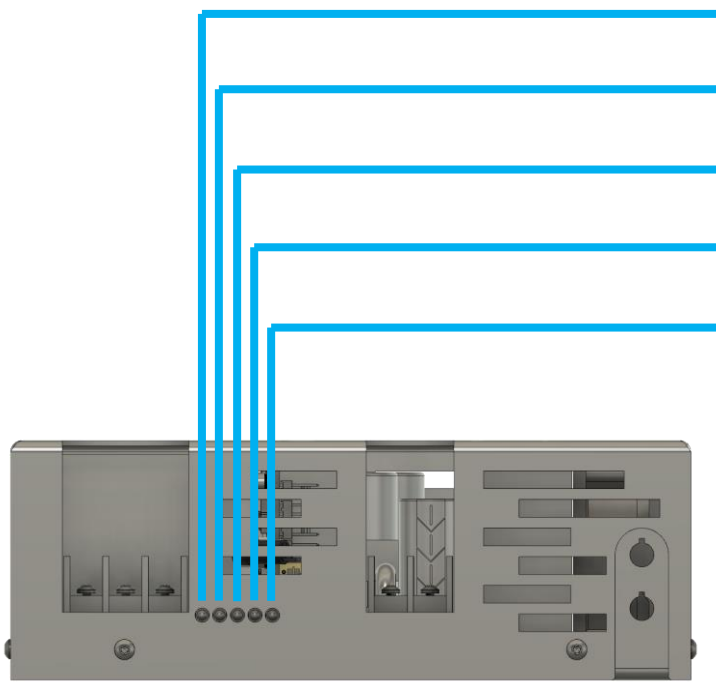


DC Negative
DC Positive

Converter View from Front

LED Indications

Input Connections:



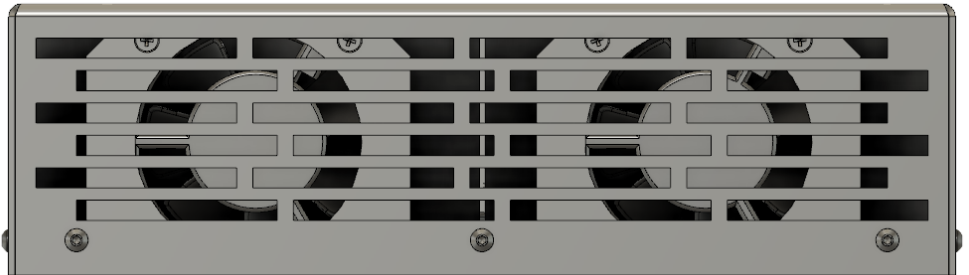
Converter View from Front

- LED 1:
Over Load
- LED 2:
Future use
- LED 3:
Temperature
- LED 4:
Heart beat
- LED 5:
Output voltage

LED Description	
LED 1	Off → Output current below maximum rating On → Power supply over loaded
LED 2	Always off
LED 3	Off → Temperature within converter specification Flashing → temperature exceeding 70degC limiting output power On → Over Temperature trip
LED 4	Heart beat LED, always flashing
LED 5	Off → No output voltage On → Converter outputting voltage to load

Power Supply Mounting

The power supply relies on 2 fans to keep the temperature within specification during normal operating. Do not obstruct the airflow of the fans as it will lead to over temperature trips.



The power supply should be mounted as indicated below.

