

# PoPower24-100 User's manual

---

**WARNING! These product is powered from mains voltage, which can cause death or serious injuries or damage! It should be connected by qualified electrician!**

## Description

The PoPower24-100 is a high performance, cost effective switching power supply. The power supply incorporates an advanced architecture to achieve an exceptional power density and efficiency.



## PoPower24-100 FEATURES

- High MTBF
- Superior Reliability
- High efficiency
- Easier system cooling
- -25 to +70°C operating temperature
- Low derating above 50 °C (up to 70% load available at 70° C)
- Improved system power optimisation
- Curve B EMC
- LED Power Indicator
- Small Size: 159 mm X 97 mm X 38 mm

## PoPower24-100 Technical specifications

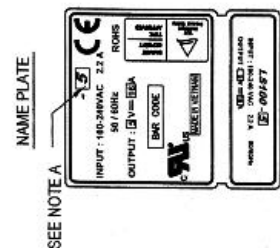
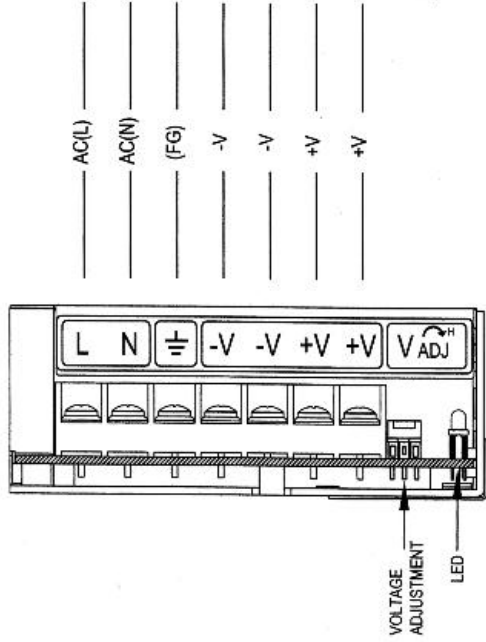
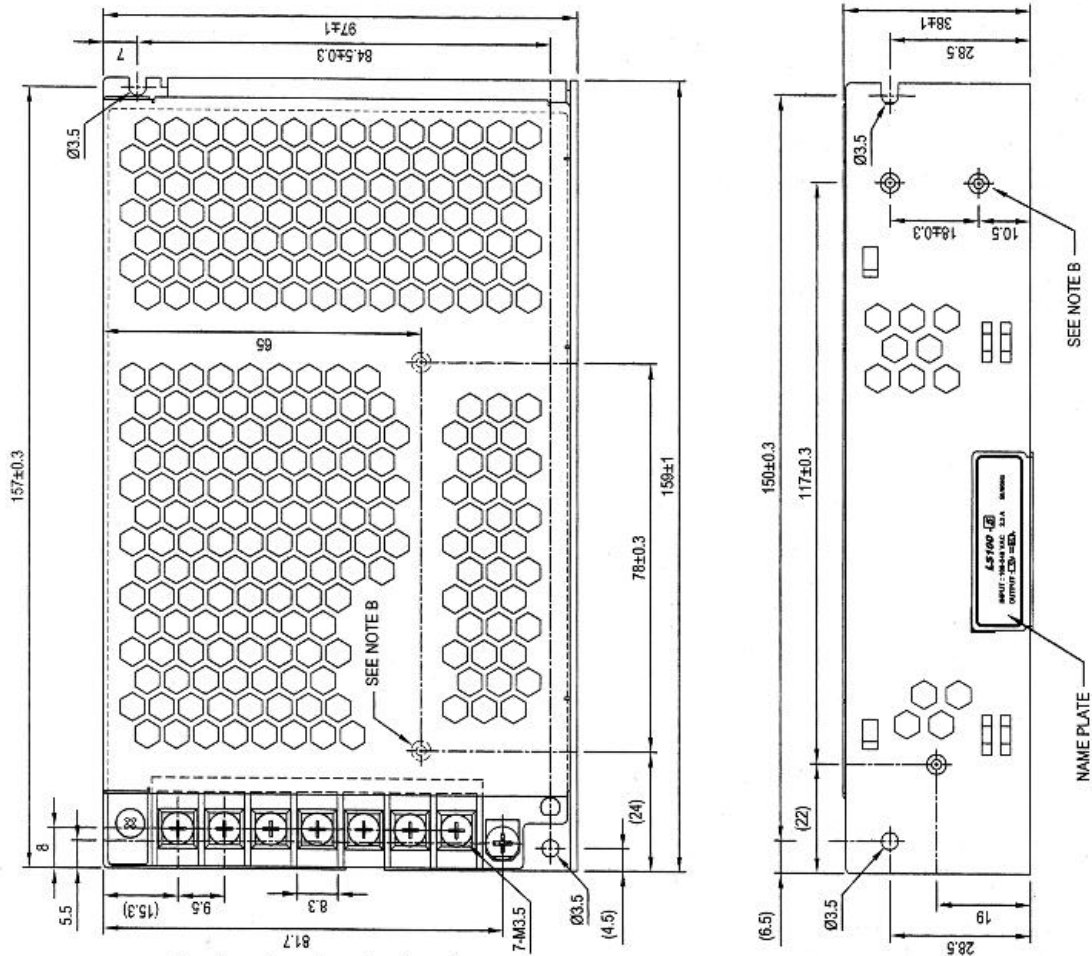
- High MTBF
- Input Voltage: 88- 264VAC
- Input Frequency: 47-63 Hz
- Output Voltage (adjustable): 22-27,2V
- Max. Current: 4,5A
- Load Reg.: 120mV
- Line Reg.: 120mV
- Ripple Noise: 120mV
- Efficiency (max): 84%

## Connection and setting

1. Mount the Power supply to the stable surface. If it will be mounted to metal surface, please take care about security.
2. Connect L, N and GND to power wire or power connector.
3. Connect to mains power and set output voltage if needed.
4. Disconnect the mains power.
5. Connect loads. For better performance, you should use star topology = connect every load to power supply with separate wire.

### Mechanical dimensions

Note: Not to scale!



NOTES

A. MODEL NAME, NOMINAL OUTPUT VOLTAGE AND MAXIMUM OUTPUT CURRENT ARE SHOWN IN THE NAME PLATE IN ACCORDANCE WITH THE SPECIFICATION.

B. M3 TAPPED & EMBOSSED & COUNTERSUNK HOLES (6) FOR CUSTOMER CHASSIS MOUNTING. SCREW MUST NOT PROTRUDE INTO POWER SUPPLY BY MORE THAN 5mm.