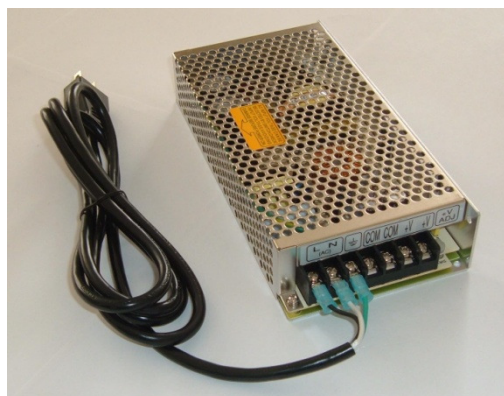


Features:

- Switching type power supply
- 40V DC output voltage
- 2.2A rated output
- AC input range selectable by switch
- Protections: short circuit / overload / over voltage
- Natural air convection cooling

Mount:

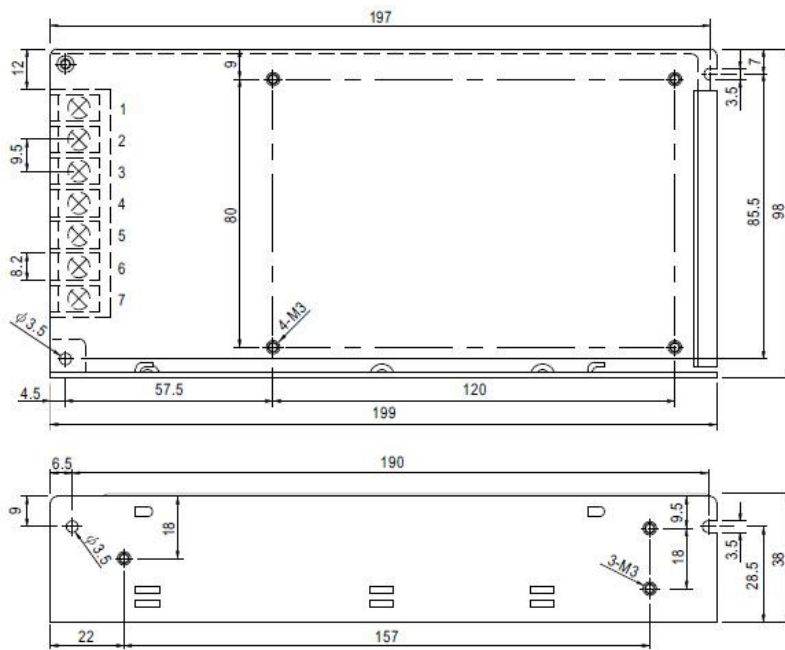
- This unit is intended for mount inside a system
- For safety, ensure that unit is accessible only for qualified service personnel

**Specification:**

| | | |
|----------------------------------|--|---|
| Output | DC Voltage | 40V \pm 1V (adjustable up to 52V via potentiometer) |
| | Rated Current | 2.2A |
| | Rated Power | 105.6W |
| | Ripple & Noise (Note 2) | 150mV p-p |
| | Voltage Tolerance (Note 3) | \pm 1% |
| | Setup, Rise Time | 1000ms, 30ms at full load |
| | Hold Up Time | 20ms at full load |
| Input | Voltage Range | 88 ~ 132VAC / 176VAC ~ 264VAC selected by switch |
| | Frequency Range | 47 ~ 63Hz |
| | Efficiency (Typ.) | 84% |
| | AC Current (Typ.) | 3.15A/115VAC / 1.5A/230VAC |
| | Leakage Current | <1mA / 240VAC |
| Protection | Overload | 105 ~ 150% rated output power. Protection type: Hiccup mode, recovers automatically after fault condition is removed. |
| | Over Voltage | 55.2 ~ 64.8V. Protection type: Hiccup mode, recovers automatically after fault condition is removed. |
| Environment | Working Ambient Temperature | -10 ~ +45°C (50°C for vertical mount) |
| | Working Humidity | 20 ~ 90% RH non-condensing |
| | Storage Temperature, Humidity | -20 ~ +85°C, 10 ~ 95% RH |
| | Temperature Coefficient | \pm 0.03%/C (0 ~ 50°C) |
| | Vibration | 10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes |
| Safety & EMC (Note 4) | Safety Standards | UL1012, UL60950-1, TUV EN60950-1, CCC GB4943 approved |
| | Withstand Voltage | I/P-O/P:3kVAC I/P-FG:1.5kVAC O/P-FG:0.5kVAC |
| | Isolation Resistance | I/P-OP, I/P-FG, O/P-FG:100M Ω / 500VDC / 25°C / 70% RH |
| | EMI Conduction & Radiation | Compliance to EN55022 (CISPR22) Class B |
| | Harmonic Current | Compliance to EN61000-3-2,-3 |
| Other | MTBF | 314900 h minimum MIL-HDBK-217F (25°C) |
| | Dimension | 199mm x 98mm x 38mm (L x W x H) |
| Notes | <ol style="list-style-type: none"> 1. All parameters are measured at 230VAC input and 25°C ambient temperature unless noted otherwise. 2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1μF & 47μF parallel capacitor. 3. Tolerance: includes set-up tolerance, line regulation and load regulation. 4. The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets EMC directives. | |

Mechanical Specification

Unit:mm



Terminal Pin No. Assignment

| Pin No. | Assignment | Pin No. | Assignment |
|---------|------------|---------|--------------|
| 1 | AC/L | 4,5 | DC OUTPUT -V |
| 2 | AC/N | 6,7 | DC OUTPUT +V |
| 3 | FG \perp | | |

Block Diagram

fosc : 83KHz

