


■ Features:

- AC input range selectable by switch
- High Efficiency, and High reliability
- Output protections: SCP/OVP/OPP/OLP
- Wide operating ambient temperature (-20 ~60)
- All using 105 long life electrolytic capacitors.
- 100% full load burn-in test
- 2 years warranty

SPECIFICATION

| MODEL | | PD-600-5 | PD-600-12 | PD-600-15 | PD-600-24 | PD-600-27 | PD-600-48 | |
|--------------------------|--|---|-----------|-----------|-----------|-----------|-----------|--------|
| OUTPUT | DC Output | 5V | 12V | 15V | 24V | 27V | 48V | |
| | Rated Current | 100A | 50A | 40A | 25A | 22.2A | 12.5A | |
| | Current Range Note 2 | 0-100A | 0-50A | 0-40A | 0-25A | 0-22.2A | 0-12.5A | |
| | Ripple and Noise Note 3 | <150mV | | | | | | |
| | Voltage ADJ. Range | ± 5% of rated output voltage | | | | | | |
| | Voltage Accuracy | ± 2.0% | | | | | | |
| | Line Regulation | ± 0.5% | | | | | | |
| | Load Regulation | ± 2.0% | | | | | | |
| | Set-up Time | <=2.0S (120Vac input, Full load); <=2.0S (230Vac input, Full load) | | | | | | |
| | Hold up Time | 120Vac | >=14mS | >=20mS | >=14mS | >=20mS | >=20mS | >=20mS |
| | | 230Vac | >=16mS | >=20mS | >=16mS | >=20mS | >=20mS | >=20mS |
| | Temperature Coefficient | ± 0.03%/ | | | | | | |
| Overshoot and Undershoot | <5.0% | | | | | | | |
| INPUT | Voltage Range Note 2 | 90Vac-132Vac; 180Vac-264Vac | | | | | | |
| | Frequency Range | 47Hz-63Hz | | | | | | |
| | Efficiency (Typical) | 76% | 81% | 82% | 83% | 84% | 86% | |
| | AC Current (max.) | 11.0A | 12.0A | 12.0A | 12.0A | 12.0A | 12.0A | |
| | Inrush Current (Typical) | 30A@120Vac; 50A@230Vac Cold start | | | | | | |
| | Leakage Current | <3.5mA | | | | | | |
| PROTECTION | Over Current | 105%-125% of rated output current, Auto-recovery | | | | | | |
| | Over Voltage | 120%-150% of rated output voltage, Auto-recovery | | | | | | |
| | Shorted Circuit | Long-term mode, auto-recovery | | | | | | |
| ENVIRONMENT | Operating amb. Temp. & Hum. | -20 ~60 ; 20% ~90% RH No condensing | | | | | | |
| | Storage Temp. & Hum. | -40 ~85 ; 10% ~95% RH No condensing | | | | | | |
| SAFETY | Safety Standards | UL60950-1 | | | | | | |
| | Withstand Voltage | Primary-Secondary:3.0KVac; Primary-PG:1.5KVac; Secondary-PG:0.5KVDC | | | | | | |
| | Isolation Resistance | 100M ohms | | | | | | |
| | | | | | | | | |
| OTHERS | MTBF (MIL-HDBK-217F) | 100,000Hrs (25 , Full load) | | | | | | |
| | Dimension (L*W*H) | 247× 127× 63.5mm | | | | | | |
| | Connection | Input: 3P/8.525mm terminal block; Output: 6P/9.525mm terminal block | | | | | | |
| | Cooling method | Forced air cooling by built-in DC fan. | | | | | | |
| NOTE | 1. All parameters NOT specially mentioned are measured at rated input, rated load and 25 of ambient temperature. 2. De-rating according to operating ambient temperature and input AC voltage, Please check the de-rating curve for more details information. 3. Measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1 uF & 47uF parallel capacitor. | | | | | | | |

