



Features:

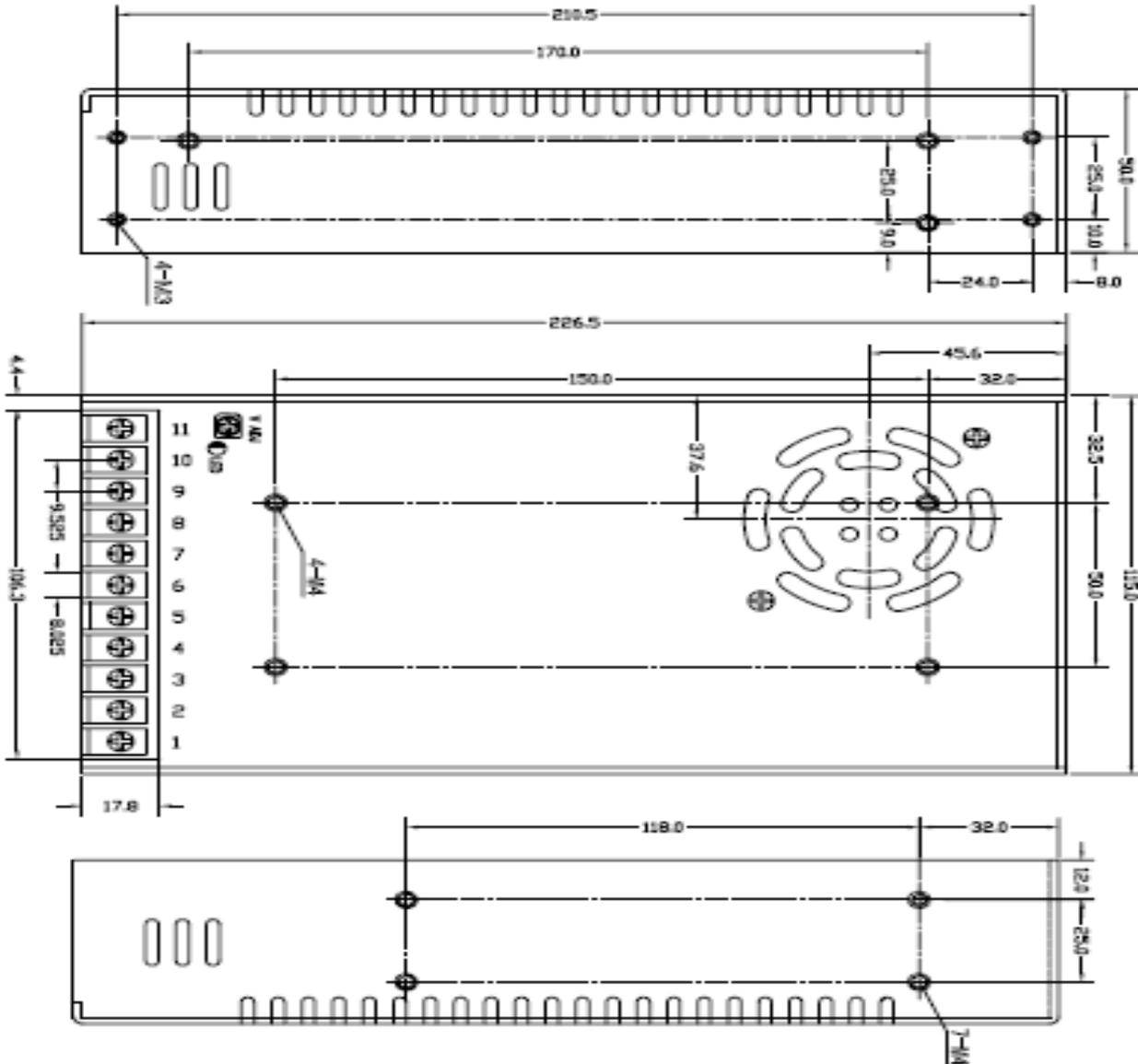
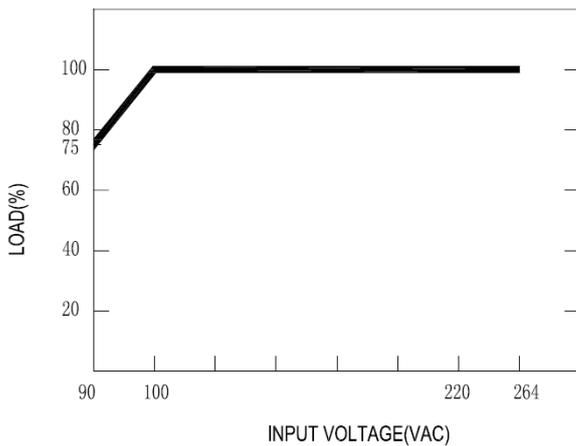
- Universal AC input/ Full range
- High Efficiency, and High reliability
- Output protections: SCP/OVP/OPP/OLP/OTP
- Wide operating ambient temperature (0°C~45°C)
- All using 105°C long life electrolytic capacitors.
- 100% full load burn-in test
- 2 years warranty

SPECIFICATION

| MODEL | | GPF-U300S5 | GPF-U300S12 | GPF-U300S15 | GPF-U300S24 | GPF-U300S48 |
|--------------------------|-----------------------------|---|-------------|------------------|-------------|-------------|
| OUTPUT | DC Output | 5.0V | 12V | 15V | 24V | 48V |
| | Rated Current | 50A | 16.7A | 19A | 12.5A | 4.2A |
| | Current Range Note 1 | 0~50A | 0~16.7A | 0~19A | 0~12.5A | 0~4.2A |
| | Ripple and Noise Note 2 | 150mV | 100mV | 150mV | 240mV | 250mV |
| | Voltage ADJ. Range | 4.75V~5.25V | 11.4V~13.2V | 13.5V~16.5V | 20V~28V | 45.6V~52.8V |
| | Voltage Accuracy | ±3.0% | ±2.0% | ±3.0% | ±3.0% | ±1.0% |
| | Line Regulation | ±1.0% | ±0.5% | ±1.0% | ±1.0% | ±0.5% |
| | Load Regulation | ±2.0% | ±0.5% | ±2.0% | ±2.0% | ±0.5% |
| | Set-up Time | < 4.0S (230Vac input, Full load); < 2.0S (230Vac input, Full load) | | | | |
| | Hold up Time | > 20mS(230Vac input, Full load) | | | | |
| | Temperature Coefficient | ±0.03%/°C | | | | |
| | Overshoot and Undershoot | <5.0% | | | | |
| INPUT | Voltage Range | 90Vac~264Vac | | | | |
| | Frequency Range | 47Hz~63Hz | | | | |
| | Power Factor(Typical) | PF > 0.99/115VAC | | PF > 0.98/230VAC | | |
| | Efficiency (Typical) | 72% | 79% | 78% | 82% | 85% |
| | AC Current (max.) | 4.0A/110VAC 2.0A/230VAC | | | | |
| | Inrush Current (Typical) | 15A@115Vac;30A@230Vac Cold start | | | | |
| | Leakage Current | Input—output:<0.25mA | | Input—PG:<3.5mA | | |
| PROTECTION | Over Power | 105%~140% of rated output current, auto recovery | | | | |
| | Over Current | 105%~140% of rated output current, auto recovery | | | | |
| | Over Temperature | Shut down | | | | |
| | Over Voltage | 105%~150% of rated output voltage, shut down | | | | |
| | Shorted Circuit | auto recovery | | | | |
| ENVIRONMENT | Operating amb. Temp. & Hum. | -10°C~60°C; 20%~90%RH No condensing | | | | |
| | Storage Temp. & Hum. | -20°C~85°C; 10%~95%RH No condensing | | | | |
| SAFETY & EMC (Note 3) | Safety Standards | GB4943-2001; EN60950-1: 2006 | | | | |
| | Withstand Voltage | Primary-Secondary:3.0KVac; ≤10mA .Primary-PG:1.5KVac; ≤10mA. Secondary-PG:0.5KVDC; ≤10mA. | | | | |
| | Isolation Resistance | ≥100M ohms | | | | |
| | EMI Conduction&Radiation | Compliance to EN55022(CISPR22)ClassB | | | | |
| | Harmonic Current | Compliance to EN61000-3-2,17625.1-2003 | | | | |
| OTHERS | EMS Immunity | Compliance to EN61000-4-2,3,4,5,6,8,11;ENV50204,light industry level,criteriaA | | | | |
| | MTBF (MIL-HDBK-217F) | More than 100,000Hrs (25°C, Full load) | | | | |
| | Dimension (L*W*H) | 226×115×50mm | | | | |
| | Packing | 10PCS/CTN, G.W:14.5kgs | | | | |
| NOTE | Cooling method | Cooling by free air convection | | | | |
| | | 1. All parameters NOT specially mentioned are measured at rated input, rated load and 25°C of ambient temperature. 2. Measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1 uF & 47uF parallel capacitor. 3. The SPS is considered a component which will be installed into final equipment. The equipment must be re-confirmed that it still meets EMC directives. | | | | |

Mechanical Specification

Unit: mm


Derating Curve


| Pin No. | Assignment |
|-----------|--------------|
| 1 | AC-L |
| 2 | AC-N |
| 3 | F.G |
| 4.5.6.7 | DC output -V |
| 8.9.10.11 | DC output +V |