

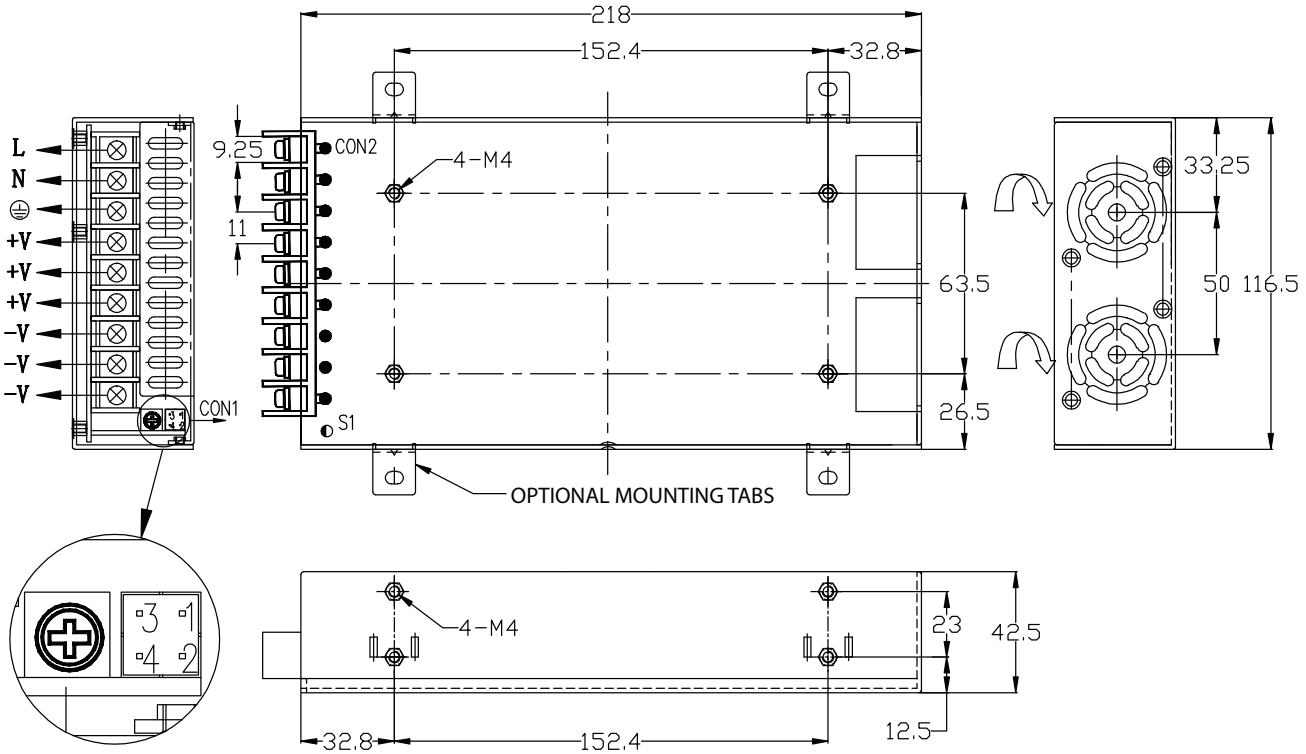
**Features:**

- Universal AC input/ Full range
- Built-in active PFC function, PF>0.96
- Built-in Fan Speed Control
- Built-in AC Inrush Current Limiting Circuit (<20A)
- Built-in Constant Current Limiting Circuit
- Built-in Remote Sense Function
- High Efficiency, and High Reliability
- Output Protections: OLP/OVP/OTP/SCP
- 1U Low Profile, 41mm
- 100% full load burn-in test

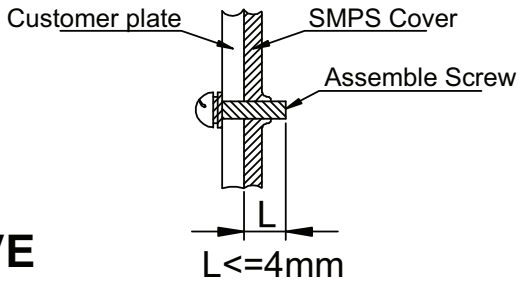
CE CB cULus RoHS Compliant

| Model | | QPDF-480-12 | QPDF-480-24 | QPDF-480-36 | QPDF-480-48 |
|---|---|---|---|---|---|
| **Output Characteristics** | | | | | |
| DC Output | | 12V | 24V | 36V | 48V |
| Rated Current | | 34A | 22A | 14A | 11A |
| Current Range | | 0~34A | 0~22A | 0~14A | 0~11A |
| Ripple and Noise | 0~70°C | <120mV | <150mV | <150mV | <200mV |
| | -30~0°C | <180mV | <150mV | <150mV | <200mV |
| Voltage ADJ. Range | | -5% ~ +10% of rated output voltage | | | |
| Voltage Accuracy | | ±2.0% | ±2.0% | ±2.0% | ±2.0% |
| Line Regulation | | ±0.5% | ±0.5% | ±0.5% | ±0.2% |
| Load Regulation | | ±1.0% | ±1.0% | ±1.0% | ±1.0% |
| Set-up Time | | <1.5s (230VAC input, full load), <3s (115VAC input, full load) | | | |
| Hold-up Time | | >16ms (230VAC input, full load) | | | |
| Temperature Coefficient | | ±0.05%/°C | | | |
| Overshoot and Undershoot | | <5.0% | | | |
| **Input Characteristics** | | | | | |
| Voltage Range | | 90VAC~264VAC, 127VDC~370VDC | | | |
| Frequency Range | | 47Hz-63Hz | | | |
| Power Factor (Typical) | | PF>0.98/115VAC PF>0.96/230VAC | | | |
| Efficiency (Typical) | | 88% | 89% | 90% | 90% |
| AC Current (max) | | <7.0A | | | |
| Inrush Current (Typical) | | <20A@230VAC Cold start | | | |
| Leakage Current | | Input-Output: ≤0.1mA Input-PG: ≤0.75mA | | | |
| **Protection** | | | | | |
| Over Load (OLP) | | 110%~135% of rated output current, constant current, auto recovery | | | |
| Over Temperature (OTP) | | 105°C ± 5°C (detect on mosfet); shut down, auto recovery after the temperature decreases to 75°C | | | |
| Over Voltage (OVP) | | 110%~150% of rated output voltage, constant voltage, auto recovery | | | |
| Short Circuit (SCP) | | Long-term mode, constant current, auto recovery | | | |
| **Environmental Characteristics** | | | | | |
| Operating Amb. Temp. & Hum | | -30°C~70°C; 20%~90% RH Non-Condensing | | | |
| Storage Temp. & Hum | | -40°C~85°C: 10%-95% RH Non-Condensing | | | |
| Safety Standards | | IEC 60950-1:2005 (2nd Ed); UL60950-1 2nd Ed; 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, Class B | | | |
| Harmonic Current | | Compliance to EN61000-3-2, Class D | | | |
| EMS Immunity | | Compliance to EN61000-4-2, 3, 4, 5, 6, 8, 11; ENV50204, heavy industry level | | | |
| **General Characteristics** | | | | | |
| MTBF (MIL-HDBK-217F) | | More than 200,000Hrs (25°C, Full load) | | | |
| Dimension (LxWxH) | | 218x116.5x41mm | | | |
| Packing | | 6PCS/CTN. G.W: 8.7kgs | | | |
| Cooling Method | | Forced air cooling (built-in DC fan) | | | |

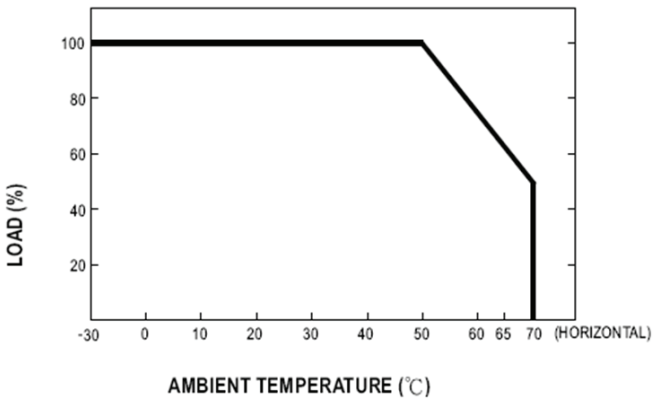
# MECHANICAL SPECIFICATIONS




| Pin No. | Assignment | Mating Housing | Terminal |
|---|---|---|---|
| 1 | +S (Remote Sense) | HRS DF11-4DS or equivalent | HRS DF11-**SC or equivalent |
| 2 | -S (Remote Sense) | | |
| 3 | DC-OK | | |
| 4 | GND | | |




## DERATING CURVE




**UNIT: mm**