

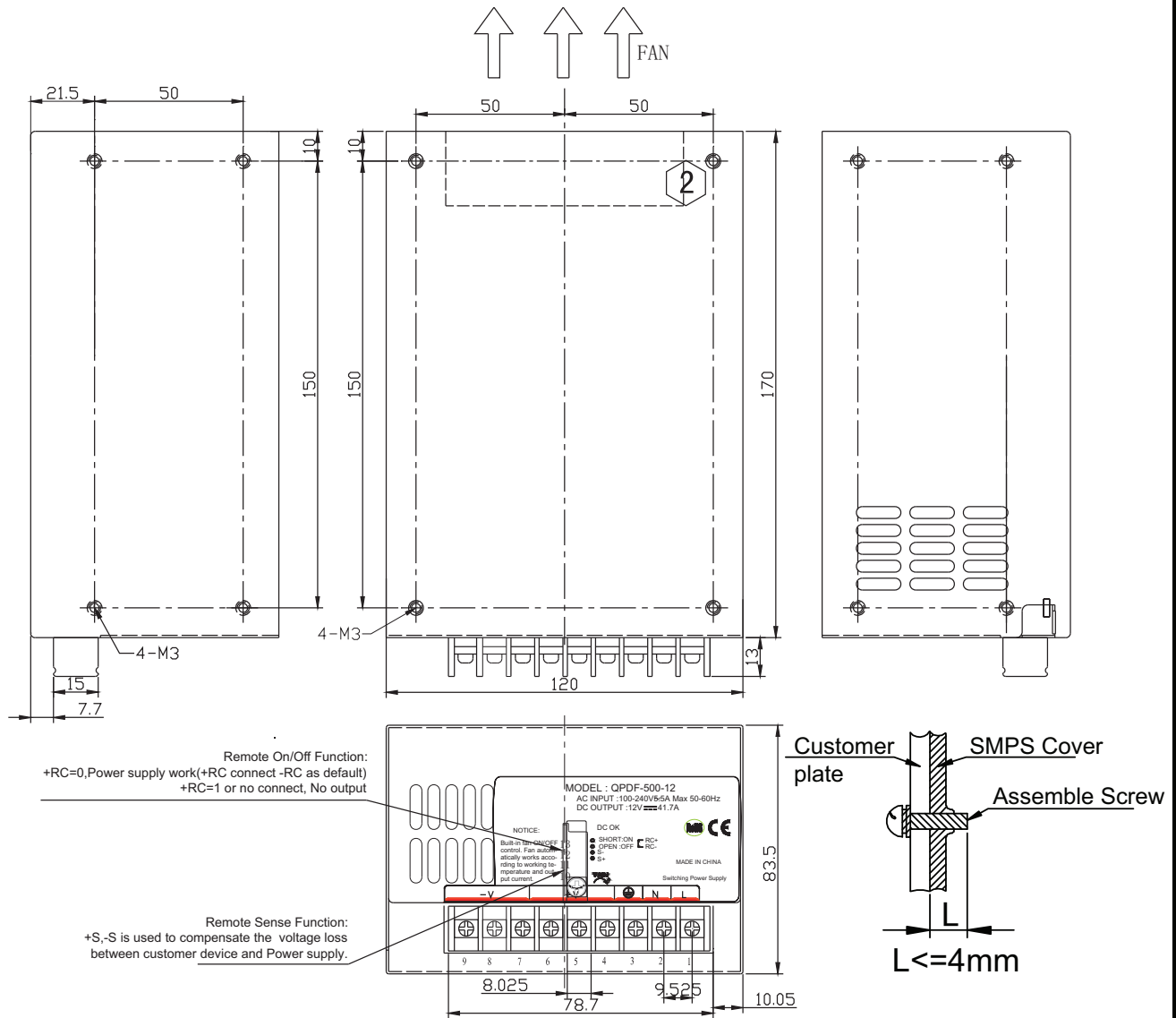
**Features:**

- Universal AC input/ Full range
- Built-in active PFC function, PF>0.95
- Built-in Cooling Fan ON-OFF Control
- Withstand 300VA Surge Input for 3 seconds
- Built-in Remote On-OFF Control
- Built-in Remote Sense Function
- High Efficiency, and High Reliability
- Output Protections: OLP/OVP/OTP/SCP
- 100% full load burn-in test

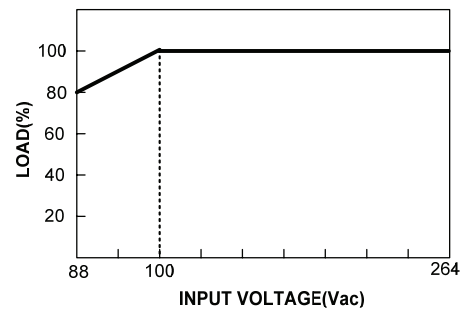
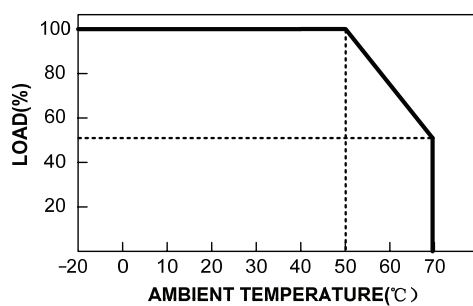


Model		QPDF-500-12	QPDF-500-24	QPDF-500-27.5	QPDF-500-48
Output Characteristics					
DC Output		12V	24V	27.5V	48V
Rated Current		41.7A	21A	18.2A	10.5A
Current Range		0~41.7A	0~21A	0~18.2A	0~10.5A
Ripple and Noise	0~70°C	<150mV	<200mV	<200mV	<240mV
	-20~0°C	<240mV	<400mV	<400mV	<480mV
Voltage ADJ. Range		11.6V~13.2V	23.5V~27.2V	26.0V~30.0V	46.0V~54.0V
Voltage Accuracy		±2.0%	±2.0%	±2.0%	±2.0%
Line Regulation		±0.5%	±0.5%	±0.5%	±0.5%
Load Regulation		±1.0%	±1.0%	±1.0%	±1.0%
Set-up Time		<2.0s (230VAC input, full load), <2.0s (115VAC input, full load)			
Hold-up Time		>10ms (230VAC input, full load)			
Temperature Coefficient		±0.03%/°C			
Overshoot and Undershoot		<5.0%			
Input Characteristics					
Voltage Range		88VAC~264VAC			
Frequency Range		47Hz-63Hz			
Power Factor (Typical)		PF>0.98/115VAC PF>0.95/230VAC			
Efficiency (Typical)	115VAC Input	85%	87%	88%	89%
	230VAC Input	88%	90%	91%	92%
AC Current (max)		5.5A			
Inrush Current (Typical)		<20A@115VAC Cold Start <40A@230VAC Cold start			
Leakage Current		Input-Output: ≤0.25mA Input-PG: ≤3.50mA			
Protection					
Over Load (OLP)		110%~150% of rated output current, constant current limiting for 3 sec, then hiccup mode, auto recovery			
Over Temperature (OTP)		95°C ± 10°C (detect on heatsink); shut down, auto recovery after the temperature decreases			
Over Voltage (OVP)		110%~150% of rated output voltage, constant voltage, auto recovery			
Fan ON/OFF Control		Output Load >65% or inside temperature >55°C, FAN ON			
Environmental Characteristics					
Operating Amb. Temp. & Hum		-20°C~70°C; 20%~90% RH Non-Condensing			
Storage Temp. & Hum		-25°C~85°C: 10%-95% RH Non-Condensing			
Safety Standards		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, EN55024, FCC PART 15 Class B			
Harmonic Current		Compliance to EN61000-3-2, Class D			
EMS Immunity		Compliance to EN61000-4-2, 3, 4, 5, 6, 8, 11; heavy industry level			
General Characteristics					
MTBF (MIL-HDBK-217F)		More than 200,000Hrs (25°C, Full load)			
Dimension (LxWxH)		170x120x83.5mm			
Packing		6PCS/CTN. G.W: 12kgs			
Cooling Method		Forced air cooling (built-in DC fan)			

MECHANICAL SPECIFICATIONS



DERATING CURVE



UNIT: mm