

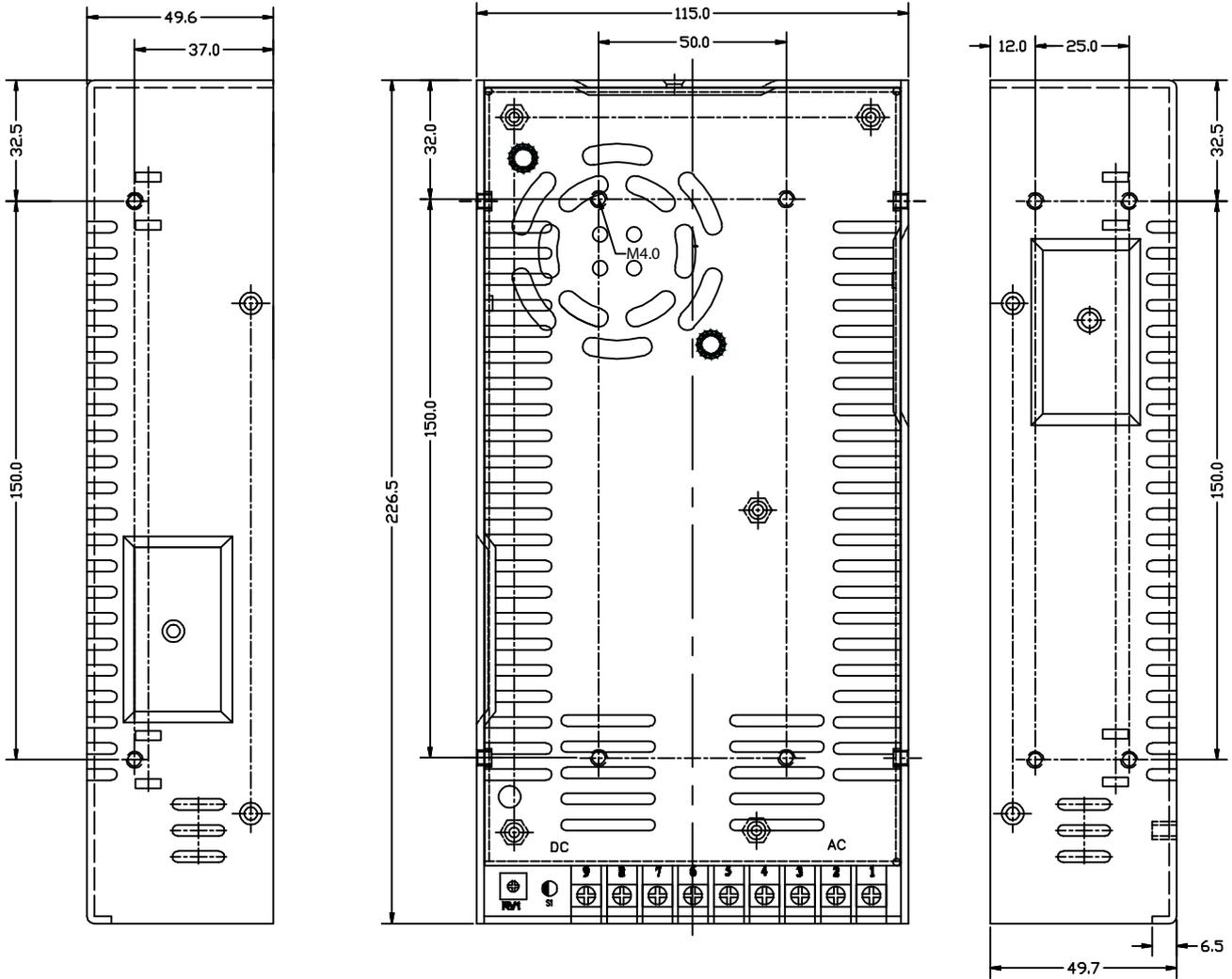
**Features:**

- Universal AC input/ Full range
- Built-in active PFC function, PF>0.93
- High Efficiency, and High Reliability
- Output Protections: OLP/OTP/OVP/SCP
- Wide operating ambient temperature (-20°C~65°C)
- All using 105°C long life electrolytic capacitors.
- 100% full load burn-in test



Model	QPDF-320-3.3	QPDF-320-5	QPDF-320-7.5	QPDF-320-12	QPDF-320-24	QPDF-320-32	QPDF-320-36	QPDF-320-48	
Output Characteristics									
DC Output	3.3V	5V	7.5V	12V	24V	32V	36V	48V	
Rated Current	60A	60A	40A	25A	13A	10A	8.8A	6.7A	
Current Range	0~60A	0~60A	0~40A	0~25A	0~13A	0~10A	0~8.8A	0~6.7A	
Ripple and Noise	0~65°C	150mV	150mV	150mV	150mV	150mV	200mV	200mV	240mV
	-20~0°C	180mV	150mV	150mV	150mV	150mV	200mV	200mV	240mV
Voltage ADJ. Range	±10% of rated output voltage								
Voltage Accuracy	±2.0%	±2.0%	±2.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	
Line Regulation	±0.5%	±0.5%	±0.5%	±0.3%	±0.5%	±0.2%	±0.2%	±0.2%	
Load Regulation	±1.0%	±1.0%	±1.0%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	
Set-up Time	<2.5s (115VAC input, full load) <1.2s(230VAC input, full load)								
Hold-up Time	5V >14ms (230VAC input, full load) 7.5V/15V/24V/32V/36V/48V >16ms (230VAC input, full load)								
Temperature Coefficient	±0.05%/°C								
Overshoot and Undershoot	<5.0%								
Input Characteristics									
Voltage Range	88VAC~264VAC								
Frequency Range	47Hz-63Hz								
Power Factor (Typical)	PF>0.98/115VAC PF>0.93/230VAC								
Efficiency (Typical)	74%	79%	83%	86%	87%	87%	87%	88%	
AC Current (max)	4.0A								
Inrush Current (Typical)	<23A@115VAC Cold start <45A@230VAC Cold Start								
Leakage Current	Input-Output: <0.1mA Input-PG: <0.75mA								
Protection									
Over Load (OLP)	105%~135% of rated output current, hiccup mode, auto recovery								
Over Temperature (OTP)	85°C ± 5°C (heatsink of power transistor); shut down, auto recover after the temperature decreases								
Over Voltage (OVP)	110%~150% of rated output voltage, shut down, re-power on to recover								
Short Circuit (SCP)	Long-term mode, auto recovery								
Environmental Characteristics									
Operating Amb. Temp. & Hum	-20°C~65°C; 20%~90% RH Non-Condensing								
Storage Temp. & Hum	-40°C~85°C; 10%~95% RH Non-Condensing								
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) Class B								
Harmonic Current	Compliance to EN61000-3-2, 17625.1-2003								
EMS Immunity	Compliance to EN61000-4-2, 3, 4, 5, 6, 8, 11; ENV50204, light industry level, criteria A								
General Characteristics									
MTBF (MIL-HDBK-217F)	More than 100,000Hrs (25°C, Full load)								
Dimension (LxWxH)	226.5x115x50mm								
Packing	12PCS/CTN. G.W: 14kgs								
Cooling Method	Forced air cooling (built-in DC fan)								

MECHANICAL SPECIFICATIONS



Pin No.	Assignment
1	AC-L
2	AC-N
3	F.G
4,5,6	DC output -V
7,8,9	DC output +V

UNIT: mm