

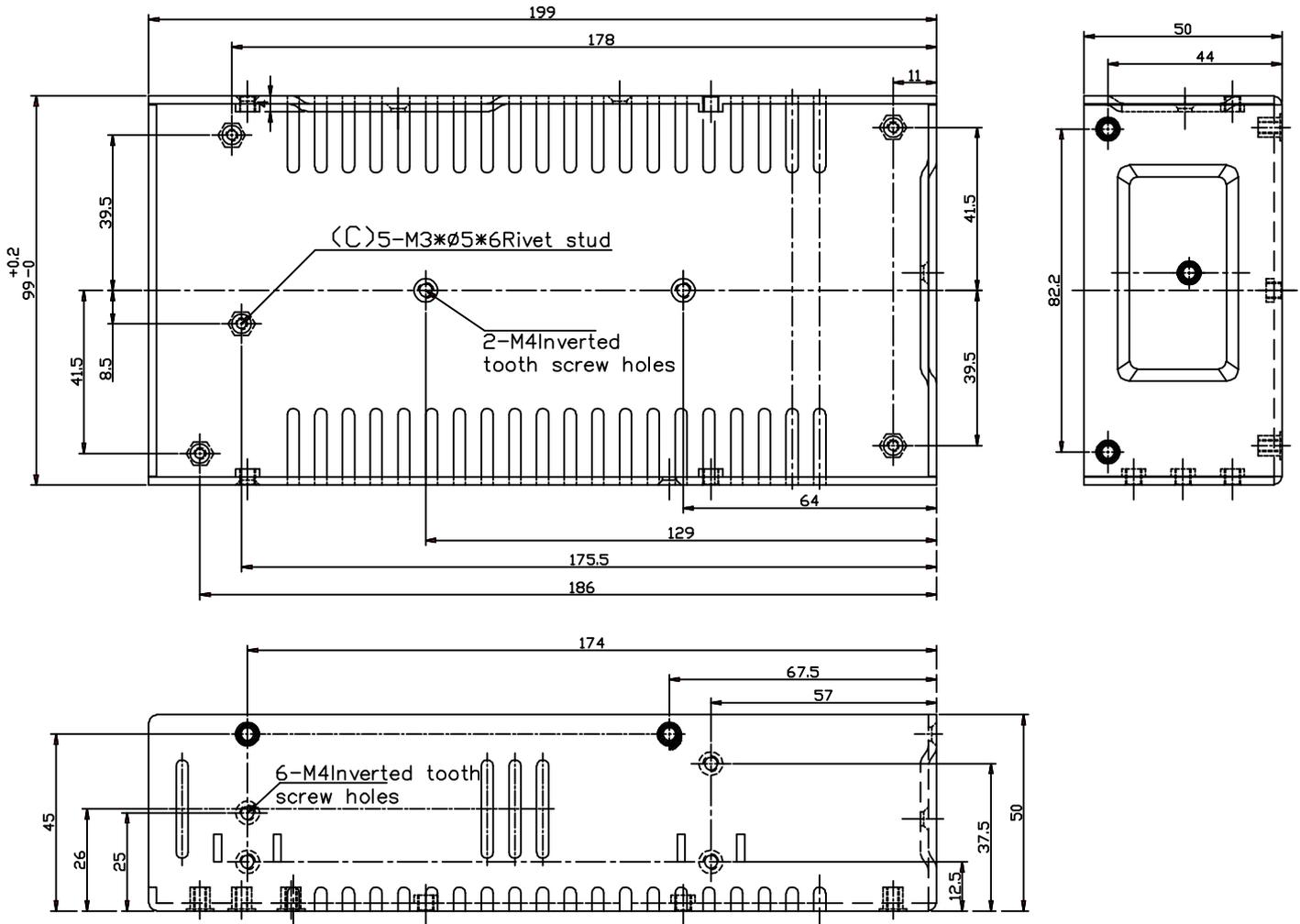
**Features:**

- Universal AC input/ Full range
- Built-in active PFC function, PF>0.95
- High Efficiency, and High Reliability
- Output Protections: OLP/OTP/OVP/SCP
- All using 105°C long life electrolytic capacitors.
- 100% full load burn-in test



Model	QPDF-200-5	QPDF-200-12	QPDF-200-15	QPDF-200-24	QPDF-200-48	
Output Characteristics						
DC Output	5V	12V	15V	24V	48V	
Rated Current	40A	16.7A	13.4A	8.4A	4.2A	
Current Range	0~40A	0~16.7A	0~13.4A	0~8.4A	0~4.2A	
Ripple and Noise	<100mV	<100mV	<100mV	<150mV	<200mV	
Voltage ADJ. Range	4.6V~5.6V	11.2V~13.4V	14.0V~16.6V	22.0V~26.7V	45.0V~52.9V	
Voltage Accuracy	±2.0%	±2.0%	±2.0%	±1.0%	±1.0%	
Line Regulation	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	
Load Regulation	±1.0%	±0.5%	±0.5%	±0.5%	±0.5%	
Set-up Time	<2.0s (230VAC input, full load)					
Hold-up Time	>20ms (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>0.95/230VAC					
Efficiency (Typical)	115VAC Input	72%	77%	79%	79%	80%
	230VAC Input	75%	81%	83%	83%	84%
AC Current (max)	3.5A/115VAC 1.7A/230VAC					
Inrush Current (Typical)	<30A@115VAC Cold start; 50A@230VAC Cold start					
Leakage Current	Input-Output: <0.25mA Input-PG: <3.5mA					
Protection						
Over Load (OLP)	105%~140% of rated output current, hiccup mode, auto recovery					
Over Temperature (OTP)	95°C ± 5°C (heatsink of power transistor); shut down, auto recover after the temperature decreases					
Over Voltage (OVP)	105%~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	-10°C~60°C; 20%~90% RH Non-Condensing					
Storage Temp. & Hum	-20°C~85°C; 10%-95% RH Non-Condensing					
Safety Standards	UL60950-1; 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 200,000Hrs (25°C, Full load)					
Dimension (LxWxH)	199x99x50mm					
Packing	12PCS/CTN. G.W: 11.3kgs					
Cooling Method	Cooling by forced air (built-in DC fan)					

MECHANICAL SPECIFICATIONS



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

UNIT: mm