

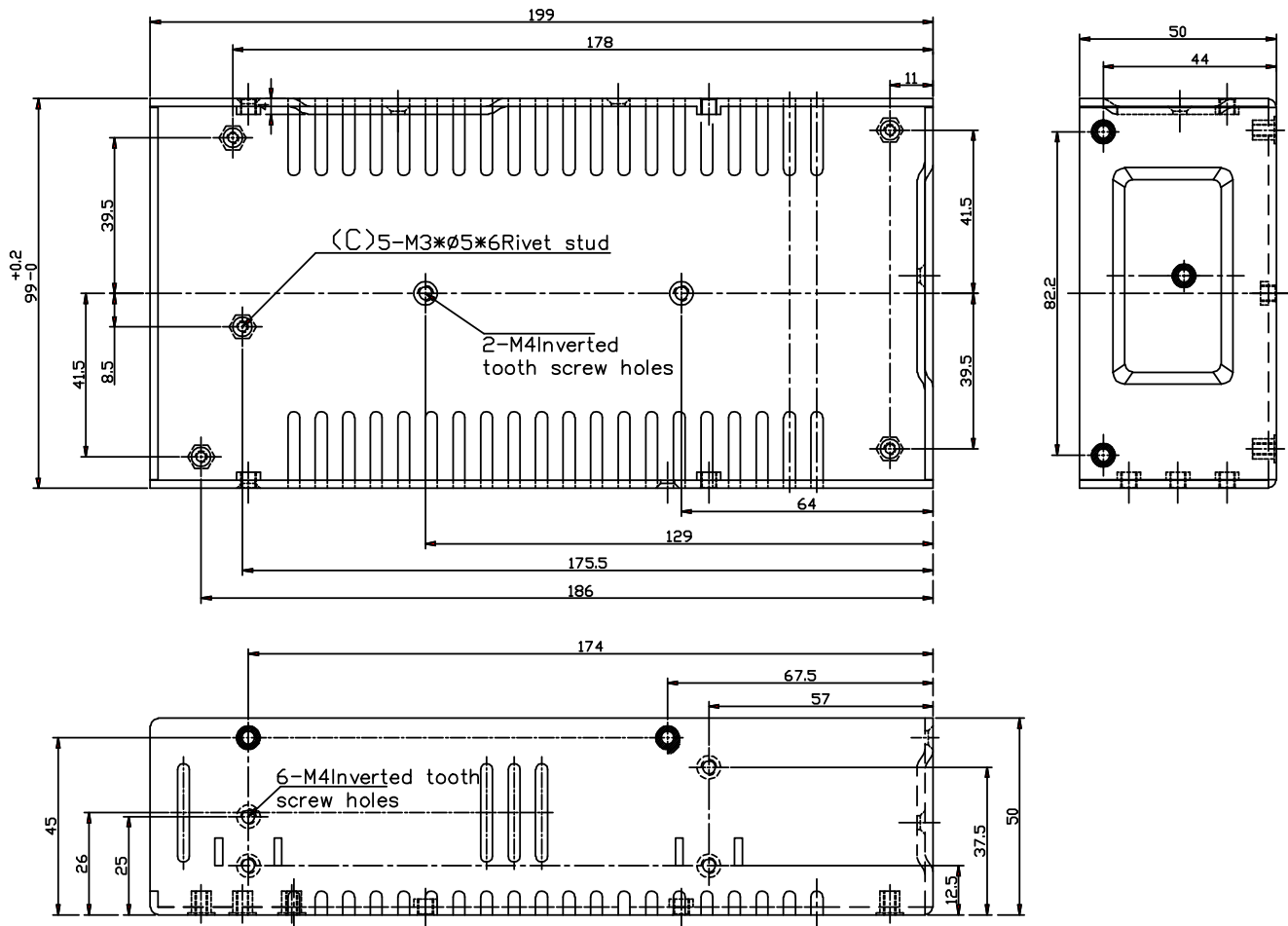
**Features:**

- Universal AC input/ Full range
- Built-in active PFC function, PF>0.93
- High Efficiency, and High Reliability
- Output Protections: OLP/OTP/OVP/SCP
- 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	250mV
Voltage ADJ. Range	4.3V~6V	11.4V~13.2V	14.3V~16.5V	22.8V~26.4V	45.6V~52.8V
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	85VAC~264VAC				
Frequency Range	47Hz~63Hz				
Power Factor (Typical)	PF>0.98/115VAC PF>0.93/230VAC				
Efficiency (Typical)	83%	79%	82%	82%	83%
AC Current (max)	3.5A/115VAC 1.7A/230VAC				
Inrush Current (Typical)	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 100,000Hrs (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