

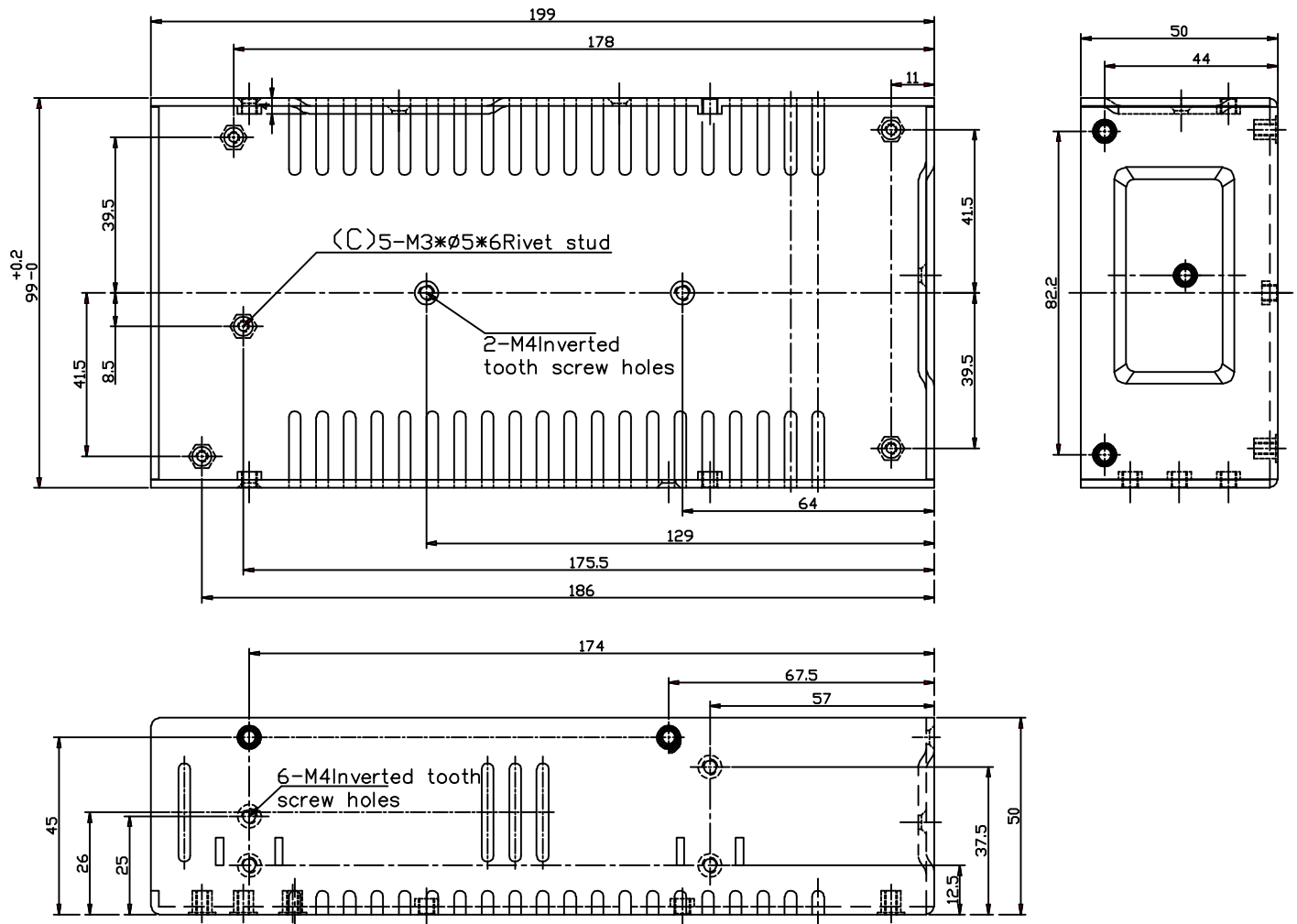
**Features:**

- 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