

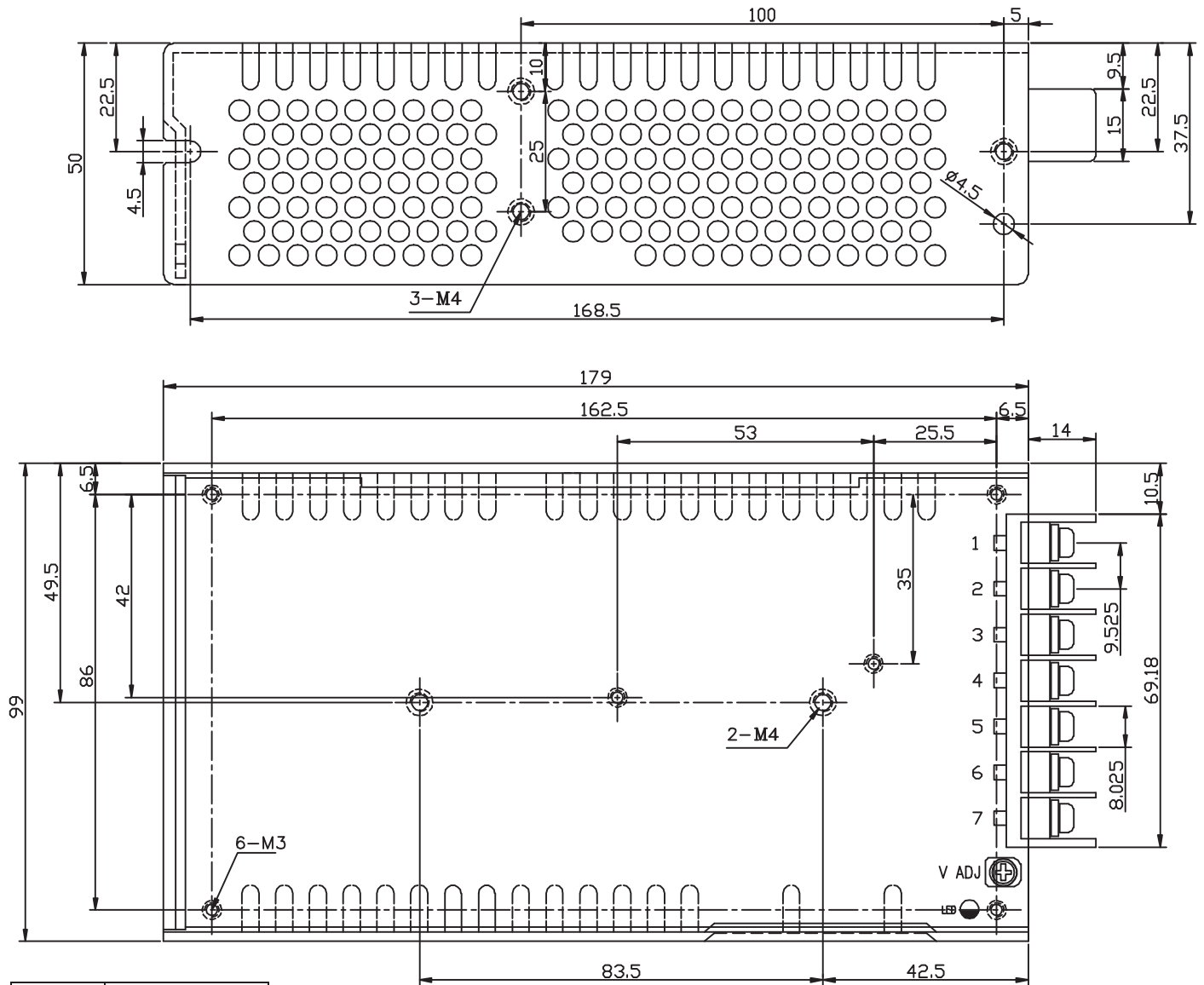
**Features:**

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



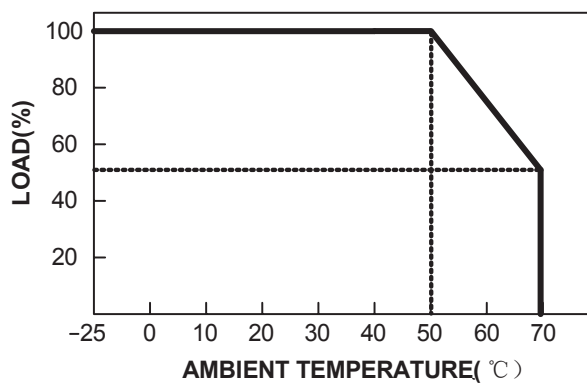
Model	QPDF-150-5	QPDF-150-12	QPDF-150-15	QPDF-150-24	QPDF-150-36	QPDF-150-48	
Output Characteristics							
DC Output	5V	12V	15V	24V	36V	48V	
Rated Current	30A	12.5A	10A	6.3A	4.1A	3.2A	
Current Range	0~30A	0~12.5A	0~10A	0~6.3A	0~4.1A	0~3.2A	
Ripple and Noise	<100mV	<100mV	<100mV	<150mV	<240mV	<240mV	
Voltage ADJ. Range	4.3V~5.6V	10.6V~13.5V	12.7V~17.0V	22.1V~26.7V	33.0V~40.0V	44V~52V	
Voltage Accuracy	±2.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	
Line Regulation	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	
Load Regulation	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	
Set-up Time	<2.0s (115VAC input, full load); <1.0s (230VAC input, full load)						
Hold-up Time	>20ms (115VAC/230VAC input, full load)						
Temperature Coefficient	±0.03%/°C						
Overshoot and Undershoot	<5.0%						
Input Characteristics							
Voltage Range	85VAC~264VAC, 120VDC~370VDC						
Frequency Range	47Hz~63Hz						
Power Factor (Typical)	PF>0.98/115VAC PF>0.95/230VAC						
Efficiency (Typical)	115VAC Input	80%	83%	83%	84%	83%	84%
	230VAC Input	82%	86%	86%	86%	86%	87%
AC Current (max)	2.0A						
Inrush Current (Typical)	30A@115VAC Cold start 60A@230VAC Cold start						
Leakage Current	Input-Output: <0.25mA Input-PG: <3.5mA						
Protection							
Over Load (OLP)	105%~150% of rated output current, hiccup mode, auto recovery						
Over Voltage (OVP)	110%~150% of rated output voltage, shut down, re-power on to recover (5V)						
Short Circuit (SCP)	Long-term mode, auto recovery						
Environmental Characteristics							
Operating Amb. Temp. & Hum	-25°C~70°C; 20%~90% RH Non-Condensing						
Storage Temp. & Hum	-30°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 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; EN55024, EN61000-6-2 heavy industry level						
General Characteristics							
MTBF (MIL-HDBK-217F)	More than 200,000Hrs (25°C, Full load)						
Dimension (LxWxH)	194x99x50mm						
Packing	10PCS/CTN. G.W: 9.0kgs						
Cooling Method	Cooling by free air convection						

MECHANICAL SPECIFICATIONS



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

DERATING CURVE



UNIT: mm

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