

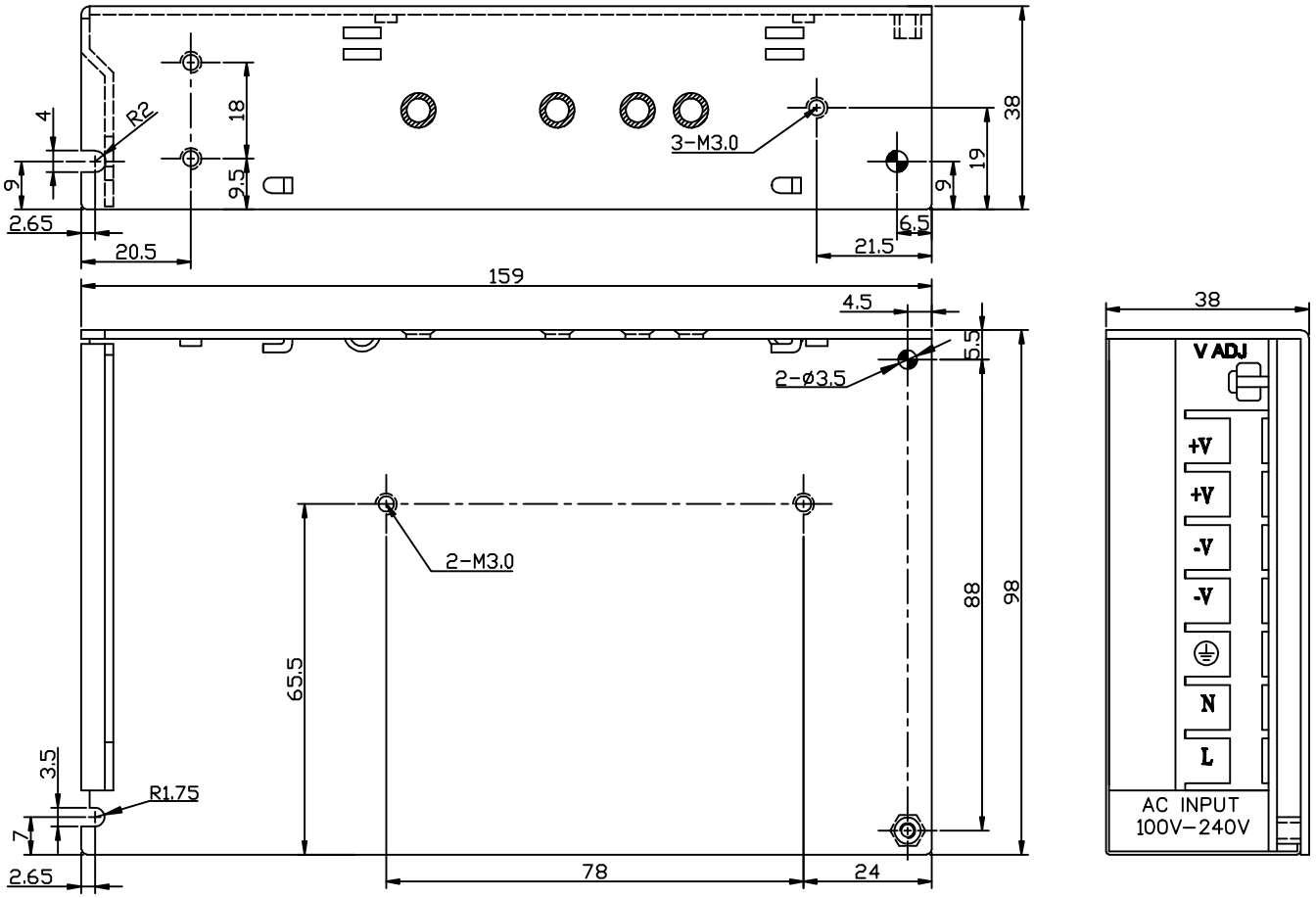
Features:

- Universal AC input/ Full range
- Wide Operating Ambient Temperature (-20°C~70°C)
- High Efficiency, and High Reliability
- Output Protections: OLP/OVP/SCP
- All using 105°C long life electrolytic capacitors.
- 100% full load burn-in test

CE RoHS Compliant

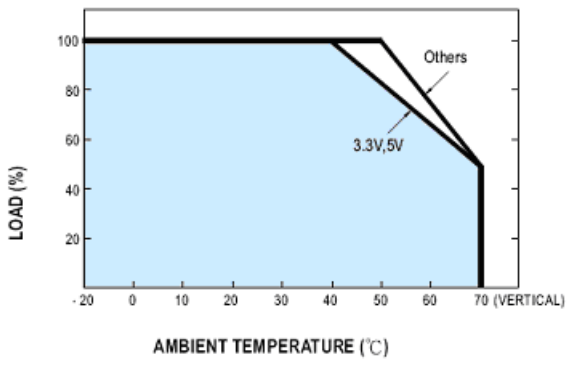
Model		QPD-100-5	QPD-100-12	QPD-100-15	QPD-100-24	QPD-100-48
Output Characteristics						
DC Output		5V	12V	15V	24V	48V
Rated Current		16A	8.5A	7A	4.5A	2.3A
Current Range		0~16A	0~8.5A	0~7A	0~4.5A	0~2.3A
Ripple and Noise	0~70°C	<80mV	<100mV	<100mV	<120mV	<200mV
	-20~0°C	<100mV	<120mV	<120mV	<120mV	<200mV
Voltage ADJ. Range		4.7V-5.6V	11.0V-13.0V	13.7V-16.3V	22.4V-27.3V	44.4V-52.2V
Voltage Accuracy		±2.0%	±1.0%	±1.0%	±1.0%	±1.0%
Line Regulation		±0.5%	±0.5%	±0.5%	±0.5%	±0.5%
Load Regulation		±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		>10ms (115VAC input, full load); >20ms (230VAC input, full load)				
Temperature Coefficient		±0.03%/°C				
Overshoot and Undershoot		<5.0%				
Input Characteristics						
Voltage Range		90VAC~264VAC, 127VDC~370VDC				
Frequency Range		47Hz-63Hz				
Efficiency (Typical)	115VAC Input	80%	80%	83%	85%	83%
	230VAC Input	80%	81%	84%	85%	84%
AC Current (max)		<2.5A				
Inrush Current (Typical)		20A@115VAC Cold start 40A@230VAC Cold start				
Leakage Current		<0.4mA@115VAC <0.75mA@230VAC				
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				
Short Circuit (SCP)		Long-term mode, auto recovery				
Environmental Characteristics						
Operating Amb. Temp. & Hum		-20°C~70°C; 20%~90% RH Non-Condensing				
Storage Temp. & Hum		-40°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, 3				
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)		160x98x38mm				
Packing		20PCS/CTN. G.W: 13.6kgs				
Cooling Method		Cooling by free air convection				

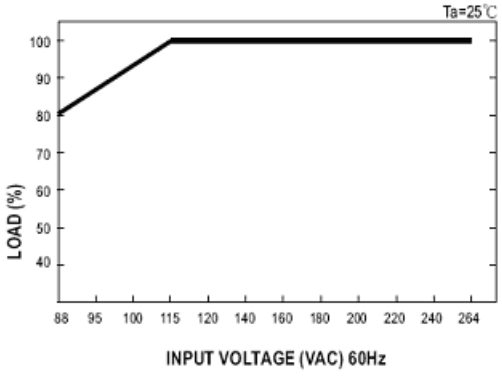
MECHANICAL SPECIFICATIONS



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