

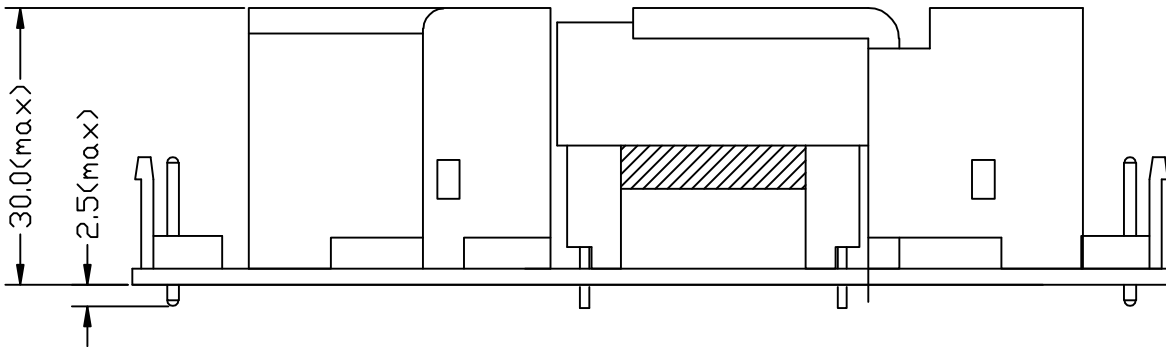
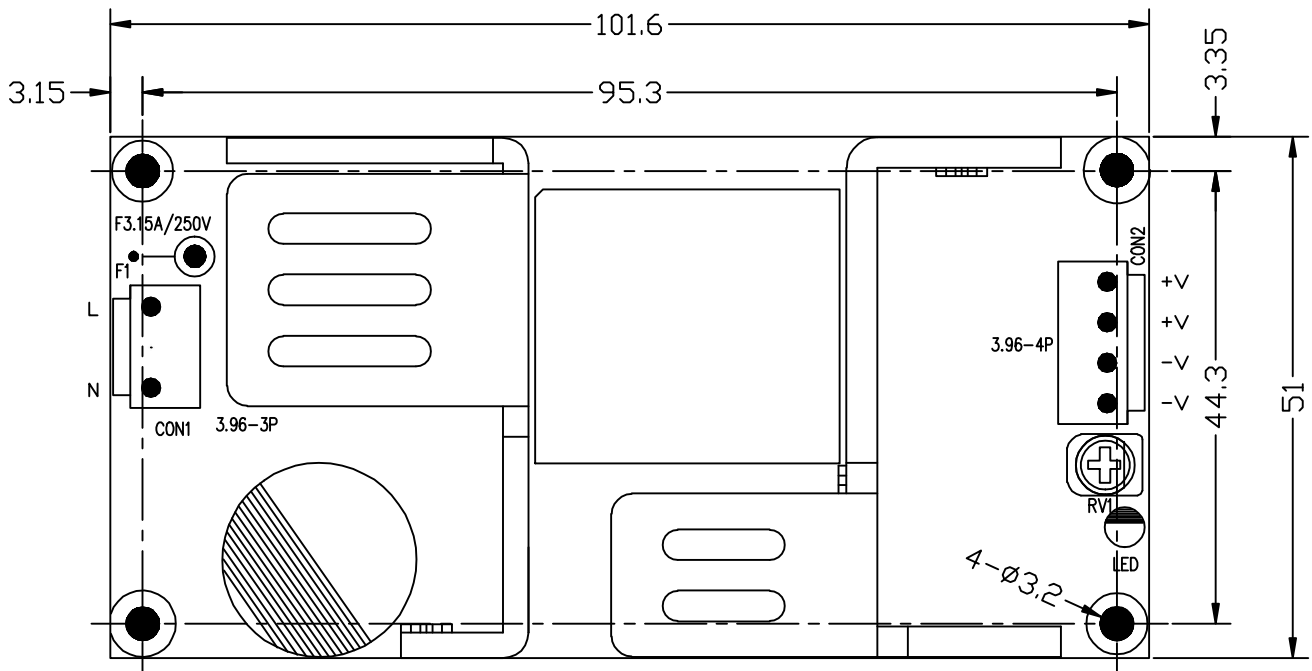
**Features:**

- Universal AC input/ Full range
- Wide Operating Ambient Temperature (-25°C~70°C)
- High Efficiency, low power consumption
- Output Protections: OLP/OVP/SCP
- All using 105°C long life electrolytic capacitors.
- 100% full load burn-in test



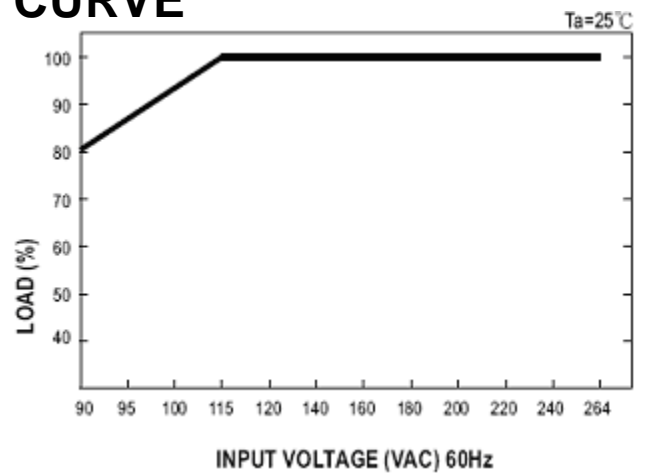
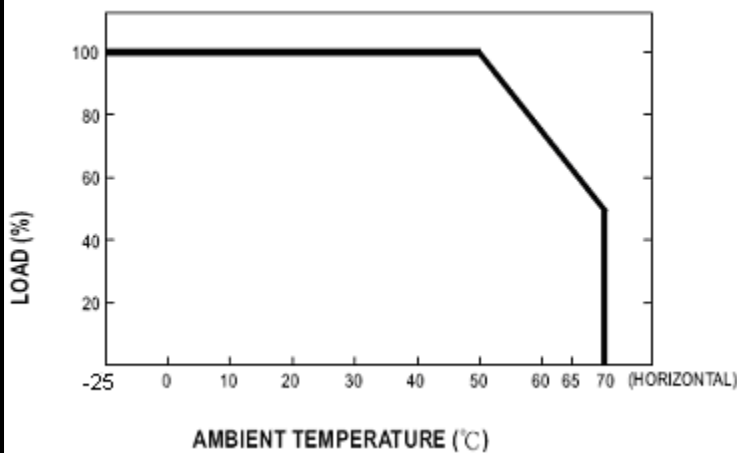
Model		QPS-60-5	QPS-60-12	QPS-60-15	QPS-60-24	QPS-60-48
Output Characteristics						
DC Output		5V	12V	15V	24V	48V
Rated Current		8A	4.5A	3.6A	2.5A	1.25A
Current Range		0~8A	0~4.5A	0~3.6A	0~2.5A	0~1.25A
Ripple and Noise	0~70°C	<50mV	<120mV	<120mV	<120mV	<240mV
	-25~0°C	<200mV	<300mV	<300mV	<300mV	<360mV
Voltage ADJ. Range		4.5~5.5V	11.2~13.4V	13.8~16.5V	22.2~27.9V	45.0~53.2V
Voltage Accuracy		±3.0%				
Line Regulation		±0.5%				
Load Regulation		±2.0%				
Set-up Time		≤1.0s (230VAC input, full load)				
Hold-up Time		≥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	79%	83%	84%	87%	85%
	230VAC Input	82%	85%	85%	87%	88%
AC Current (max)		<1.5A				
Inrush Current (Typical)		30A@115VAC Cold start 60A@230VAC Cold start				
Leakage Current		<0.25mA				
Protection						
Over Load (OLP)		105%~180% of rated output current, hiccup mode, auto recover				
Over Voltage (OVP)		110%~150% of rated output voltage, constant voltage				
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		-40°C~85°C; 10%-95% RH Non-Condensing				
Safety Standards		UL60950-1; EN60950-1: 2006				
Withstand Voltage		Primary-Secondary: 3.0KVAC;≤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)		101.6x50.8x30mm				
Packing		60PCS/CTN. G.W: 12kgs				
Cooling Method		Cooling by free air convection				

## MECHANICAL SPECIFICATIONS



ITEM	CONNECTOR	MATING HOUSING	TERMINAL
AC IN (CON1)	LANDWIN 3961P0300T (CENTER PIN REMOVED)	LANDWIN 3960S OR JST VHR	LANDWIN 3963T011R OR JST SVH-21T-P1.1
DC OUT (CON2)	LANDWIN 3961P0400T	OR MOLEX 51144	OR MOLEX 50539

## DERATING CURVE



UNIT: mm

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Qualtek:](#)  
[QPS-60-15](#)