

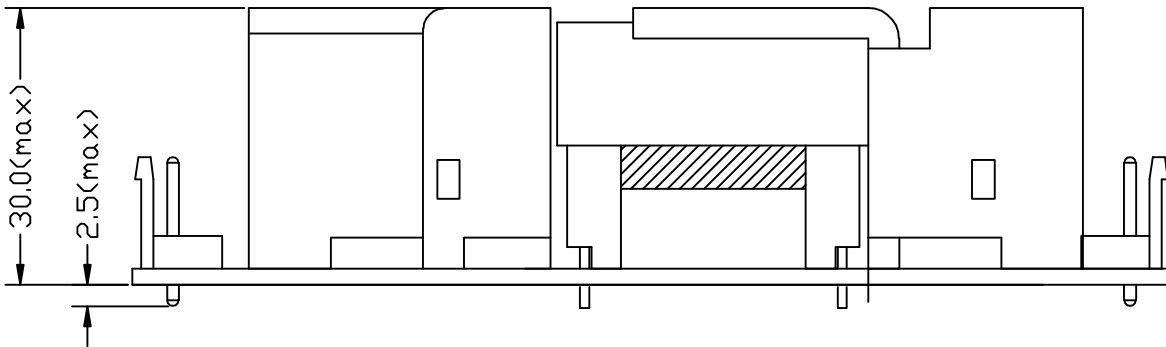
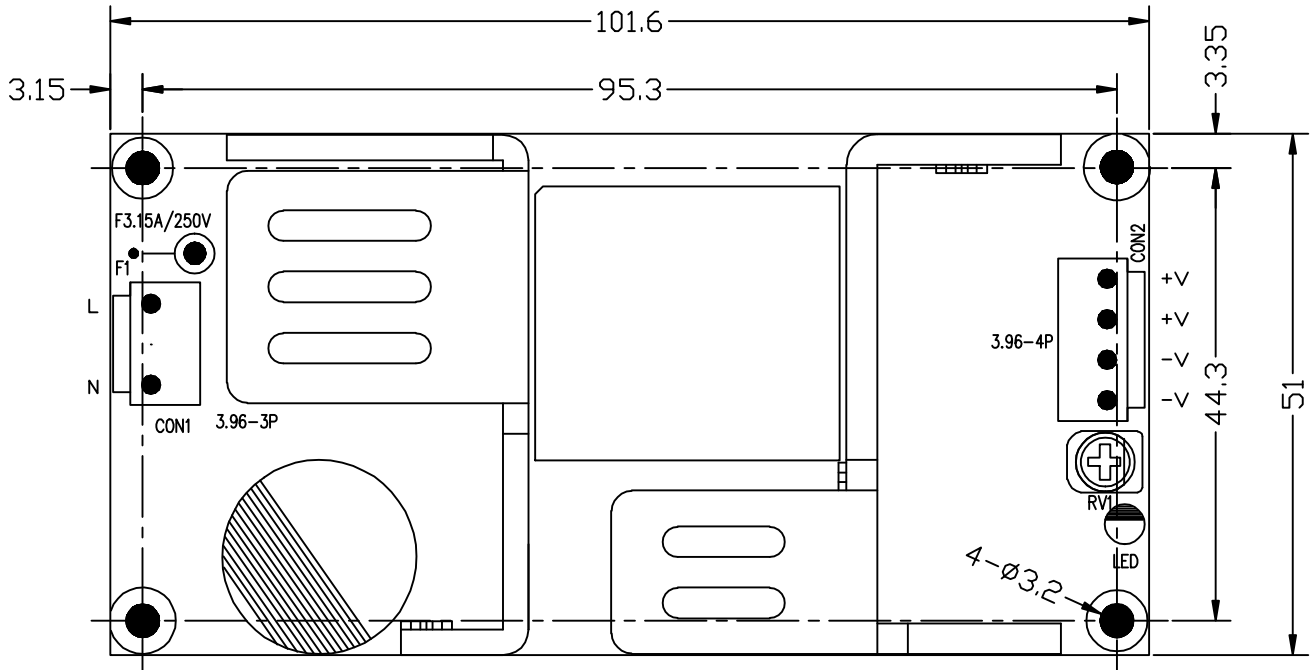
**Features:**

- 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



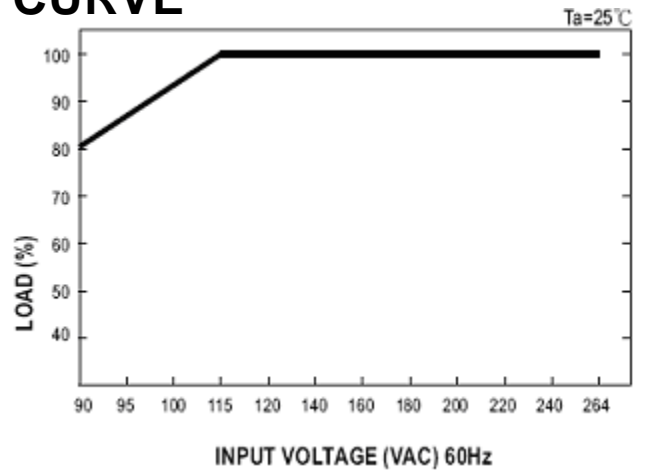
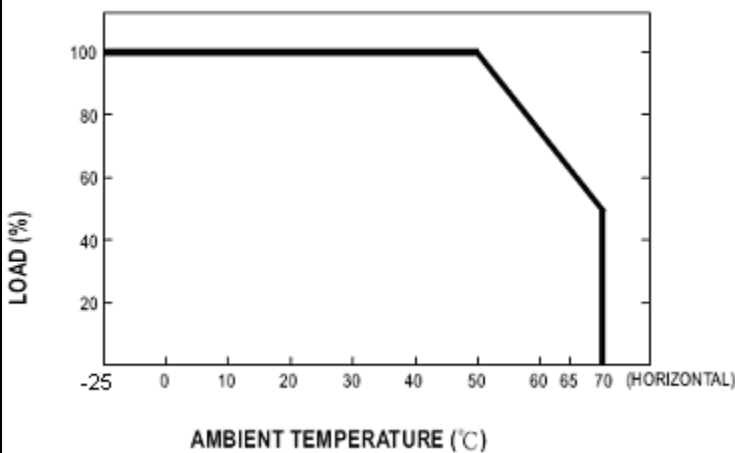
Model	QPS-60-5	QPS-60-12	QPS-60-15	QPS-60-24	QPS-60-48	
<b>Output Characteristics</b>						
DC Output	5V	12V	15V	24V	48V	
Rated Current	8A	4.5A	3.6A	2.5A	1.25A	
Current Range	0~8A	0~4.5A	0~3.6A	0~2.5A	0~1.25A	
Ripple and Noise	0~70°C	<50mV	<120mV	<120mV	<240mV	
	-25~0°C	<200mV	<300mV	<300mV	<360mV	
Voltage 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%					
<b>Input Characteristics</b>						
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					
<b>Protection</b>						
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					
<b>Environmental Characteristics</b>						
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					
<b>General Characteristics</b>						
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

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