

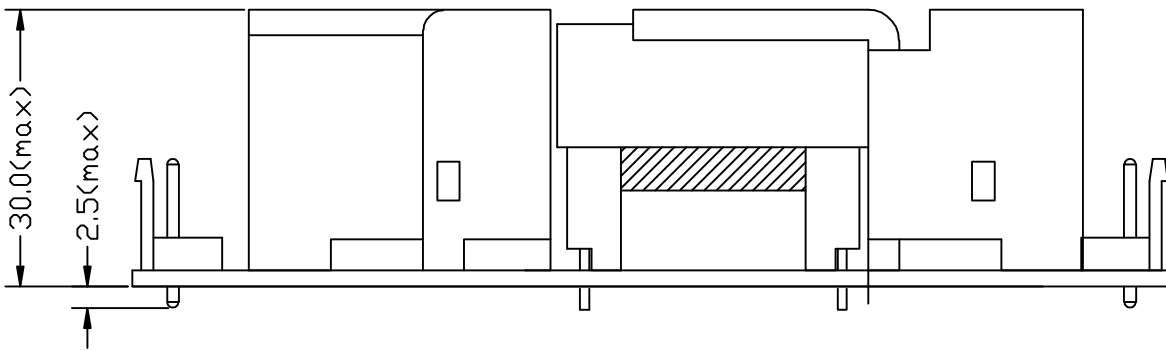
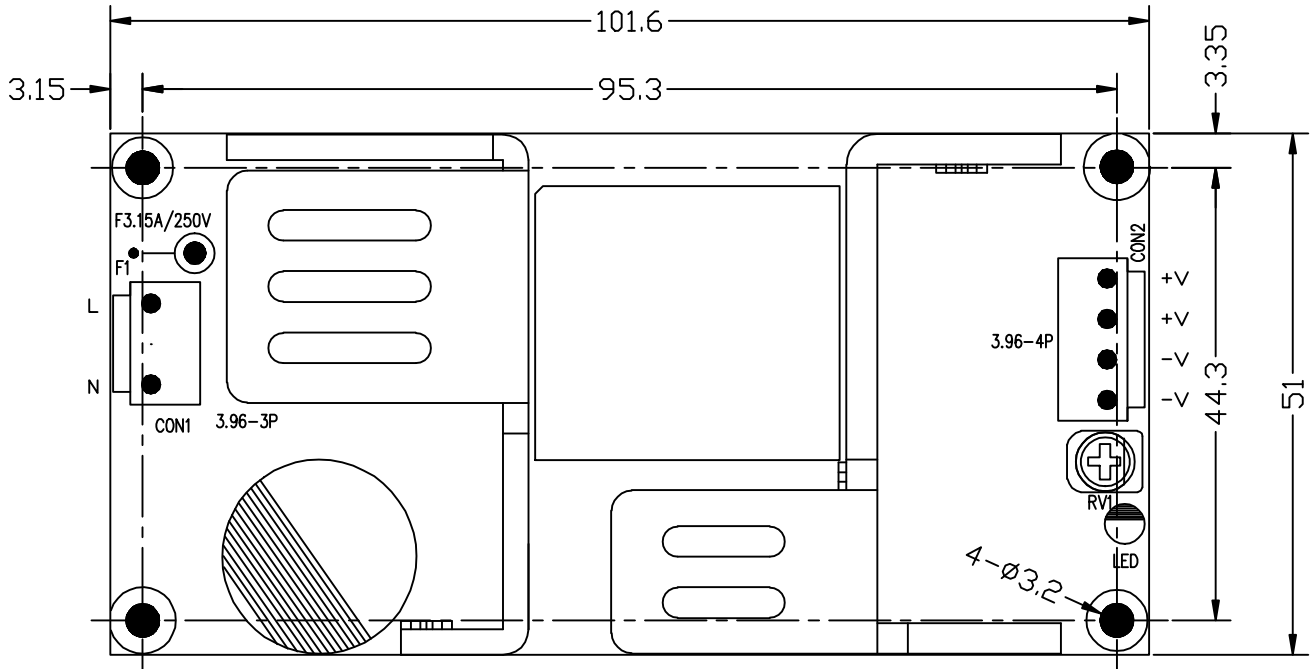
**Features:**

- Universal AC input/ Full range
- Wide Operating Ambient Temperature (-20°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-60-3.3	QPS-60-5	QPS-60-12	QPS-60-15	QPS-60-24	QPS-60-48
Output Characteristics						
DC Output	3.3V	5V	12V	15V	24V	48V
Rated Current	8A	8.0A	4.5A	3.6A	2.5A	1.25A
Current Range	0~8A	0~8A	0~4.5A	0~3.6A	0~2.5A	0~1.25A
Ripple and Noise	0~70°C	80mV	80mV	120mV	150mV	240mV
	-25~0°C	200mV	2000mV	300mV	300mV	360mV
Voltage ADJ. Range	-5% to +10% of rated output voltage					
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					
Frequency Range	47Hz-63Hz					
Efficiency (Typical)	75%	81%	84%	84%	86%	87%
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	-20°C~70°C; 20%~90% RH Non-Condensing					
Storage Temp. & Hum	-40°C~85°C; 10%~95% RH Non-Condensing					
Safety Standards	GB4943-2001; 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 100,000Hrs (25°C, Full load)					
Dimension (LxWxH)	101.6x50.8x28mm					
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		

UNIT: mm