

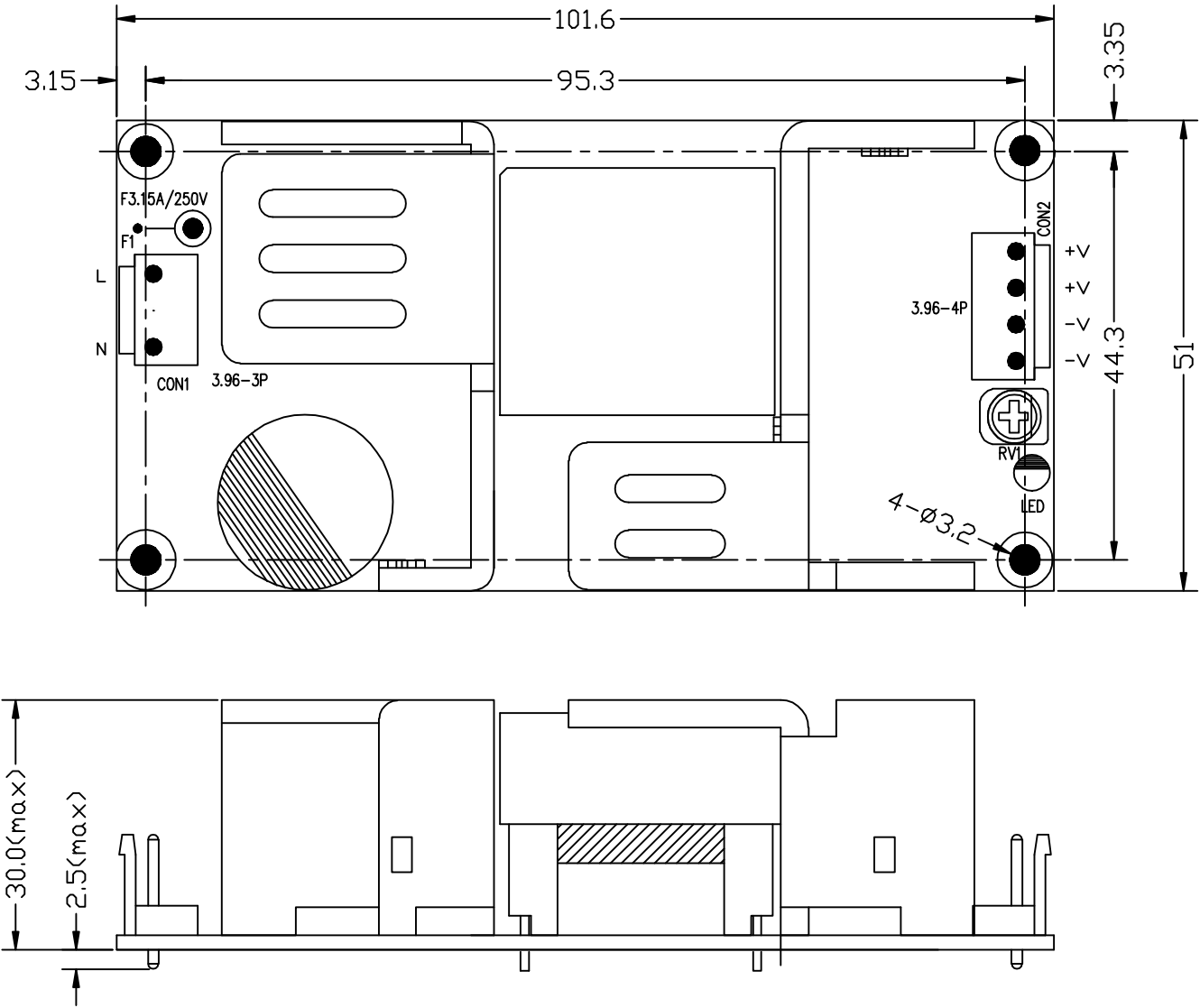
**Features:**

- 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	240mV
	-25~0°C	200mV	2000mV	300mV	300mV	360mV	600mV
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