

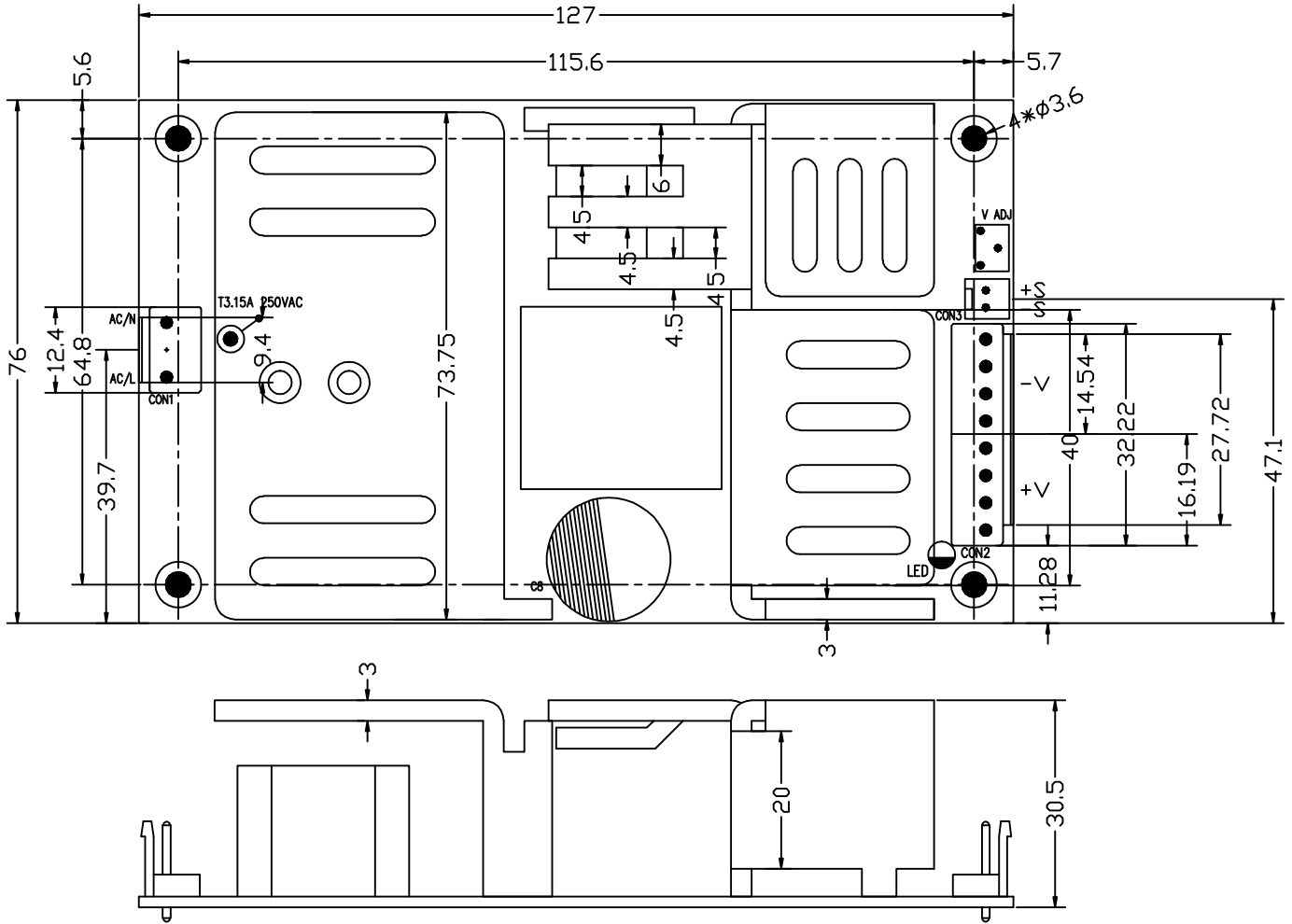
**Features:**

- Universal AC input/ Full range
- Built-in active PFC function, PF>0.95
- High Efficiency, and High Reliability
- Wide Operating Ambient Temperature (-20°C~70°C)
- Output Protections: OLP/OVP/SCP
- Built-in Remote Sense Function
- All using 105°C long life electrolytic capacitors.
- 100% full load burn-in test



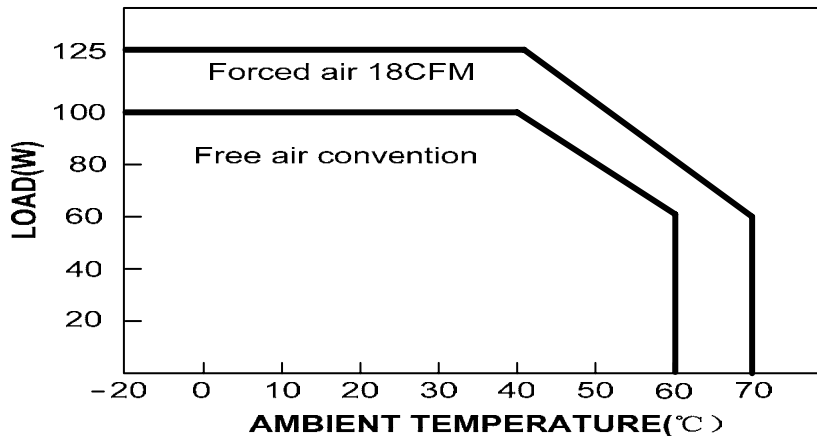
Model	QPSF-125-5	QPSF-125-12	QPSF-125-15	QPSF-125-24	QPSF-125-48	
Output Characteristics						
DC Output	5V	12V	15V	24V	48V	
Rated Current	20A	10.5A	8.4A	5.2A	2.6A	
Current Range	0~20A	0~10.5A	0~8.4A	0~5.2A	0~2.6A	
Ripple and Noise	<100mV	<100mV	<100mV	<100mV	<150mV	
Voltage ADJ. Range	4.5~5.7V	10.6~13.4V	12.9~17.0V	24.7~27.0V	43.0~53.7V	
Voltage Accuracy	±2.0%	±2.0%	±2.0%	±2.0%	±2.0%	
Line Regulation	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	
Load Regulation	±2.0%	±2.0%	±2.0%	±2.0%	±2.0%	
Set-up Time	<1.2s (115VAC input, full load); <2.5s (230VAC input, full load)					
Hold-up Time	>20ms (115VAC/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					
Power Factor (Typical)	PF>0.98/115VAC PF>0.95/230VAC					
Efficiency (Typical)	115VAC Input	83%	85%	85%	86%	86%
	230VAC Input	85%	87%	87%	88%	88%
AC Current (max)	<1.5A					
Inrush Current (Typical)	30A@115VAC Cold start 60A@230VAC Cold start					
Leakage Current	<3.5mA					
Protection						
Over Load (OLP)	105%~150% of rated output current, hiccup mode, auto recover					
Over Voltage (OVP)	120%~150% of rated output voltage, hiccup mode					
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 100,000Hrs (25°C, Full load)					
Dimension (LxWxH)	127x76x30.5mm					
Packing	21PCS/CTN. G.W: 8.46kgs					
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 3961P0800T	OR MOLEX 51144	OR MOLEX 50539
REMOTE SENSE (CON3)	LANDWIN 2541P0200T	LANDWIN 2510S OR MOLEX 5051	LANDWIN 2563T011X OR MOLEX 4809

DERATING CURVE



UNIT: mm