

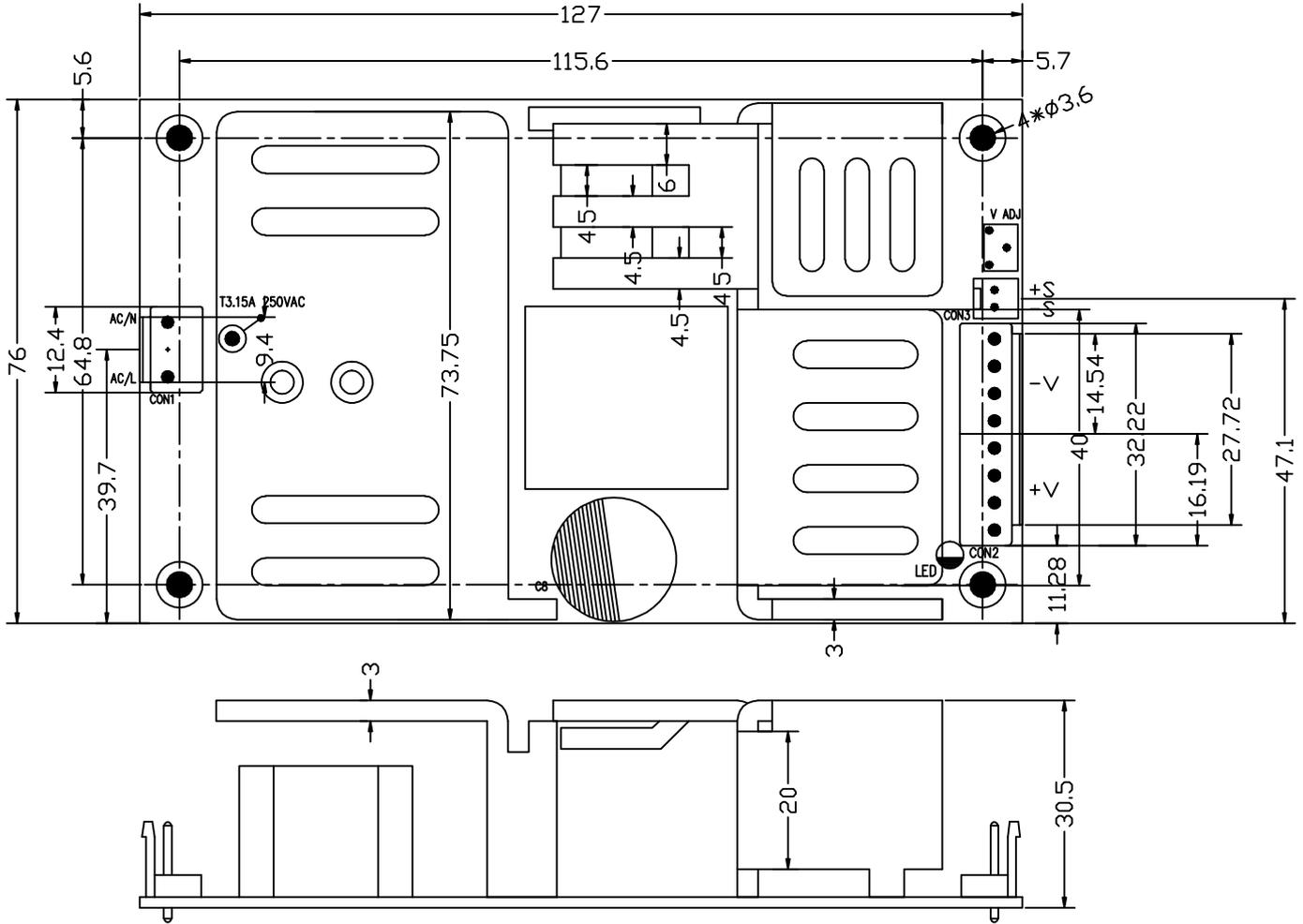
**Features:**

- 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



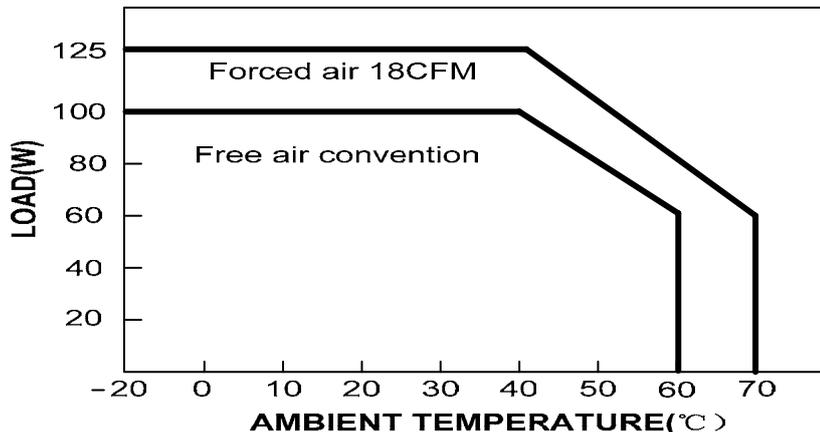
Model	QPSF-125-5	QPSF-125-12	QPSF-125-15	QPSF-125-24	QPSF-125-48	
<b>Output Characteristics</b>						
DC Output	5V	12V	15V	24V	48V	
Rated Current	20A	10.5A	8.4A	5.2A	2.6A	
Current Range	0~20A	0~10.5A	0~8.4A	0~5.2A	0~2.6A	
Ripple and Noise	<100mV	<100mV	<100mV	<100mV	<150mV	
Voltage ADJ. Range	4.5~5.7V	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%					
<b>Input Characteristics</b>						
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					
<b>Protection</b>						
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					
<b>Environmental Characteristics</b>						
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					
<b>General Characteristics</b>						
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