

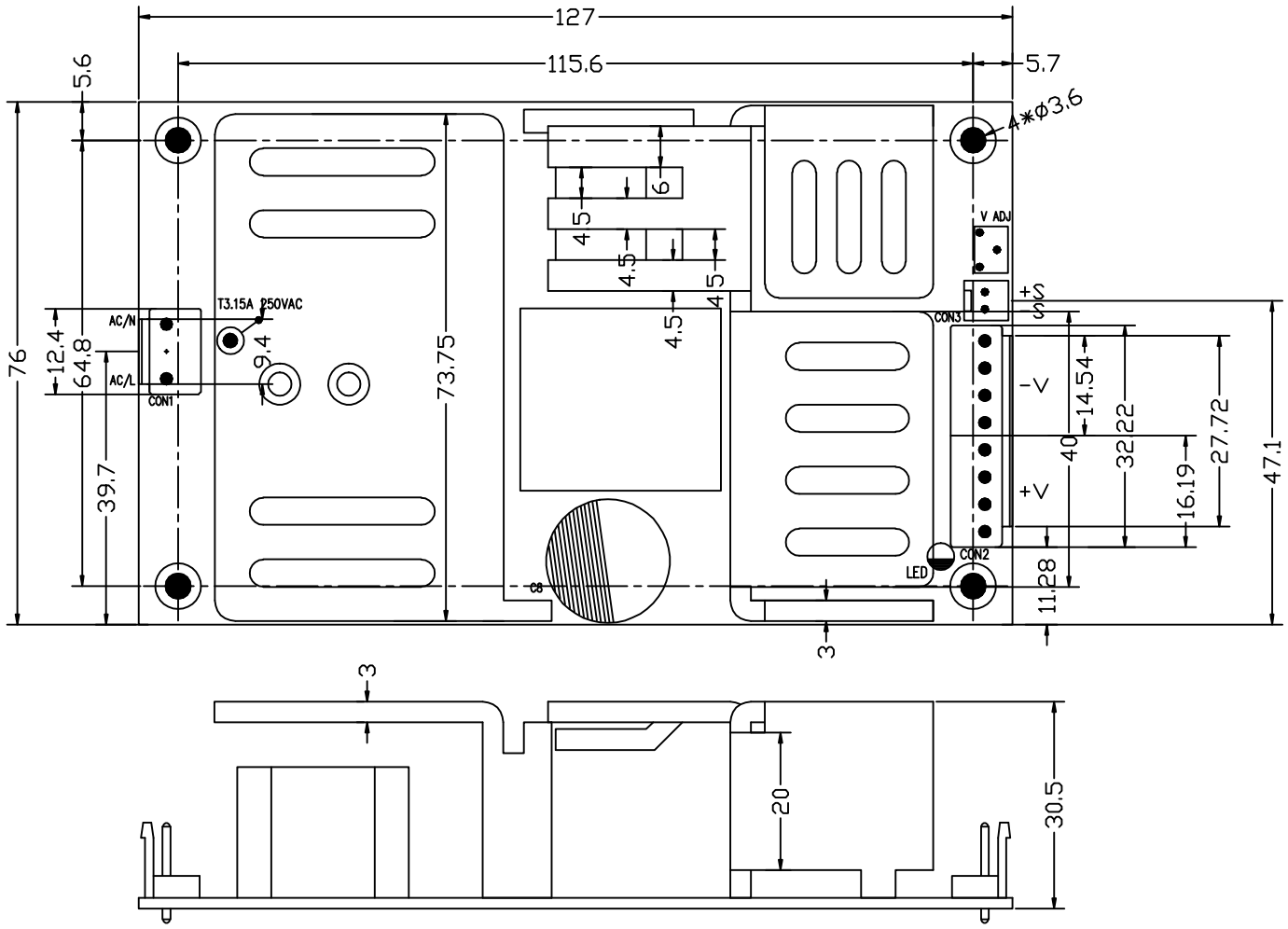
Features:

- 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

CE CB cULus RoHS Compliant

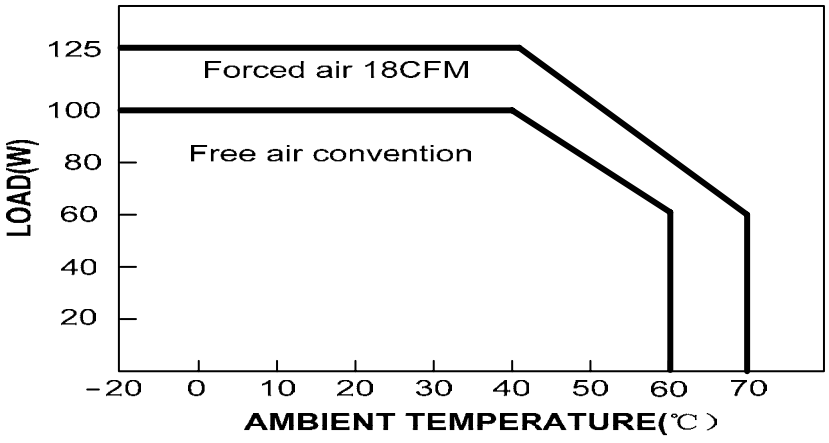
Model		QPSF-125-5	QPSF-125-12	QPSF-125-15	QPSF-125-24	QPSF-125-48
Output Characteristics						
DC Output		5V	12V	15V	24V	48V
Rated Current		20A	10.5A	8.4A	5.2A	2.6A
Current Range		0~20A	0~10.5A	0~8.4A	0~5.2A	0~2.6A
Ripple and Noise		<100mV	<100mV	<100mV	<100mV	<150mV
Voltage ADJ. Range		4.5~5.7V	10.6~13.4V	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 OR MOLEX 51144	LANDWIN 3963T011R OR JST SVH-21T-P1.1 OR MOLEX 50539
DC OUT (CON2)	LANDWIN 3961P0800T		
REMOTE SENSE (CON3)	LANDWIN 2541P0200T	LANDWIN 2510S OR MOLEX 5051	LANDWIN 2563T011X OR MOLEX 4809

DERATING CURVE



UNIT: mm