





## 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

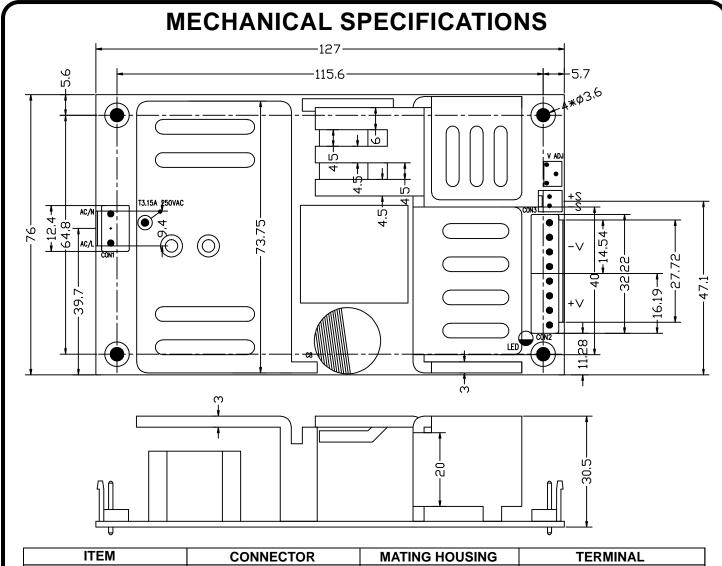




Model		QPSF-125-5	QPSF-125-12	QPSF-125-15	QPSF-125-24	QPSF-125-48	
Output Ch	Output Characteristics						
DC Output		5V	12V	15V	24V	48V	
Rated Current		20A	10.5A	8.4A	5.2A	2.6A	
Current Range		0~20A	0~10.5A	0~8.4A	0~5.2A	0~2.6A	
Ripple and Noise		<100mV	<100mV	<100mV	<100mV	<150mV	
Voltage ADJ. Range		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	115VAC Input	83%	85%	85%	86%	86%	
(Typical)	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 Volta		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 Curre	ent	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 C	haracteristi	cs					
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					
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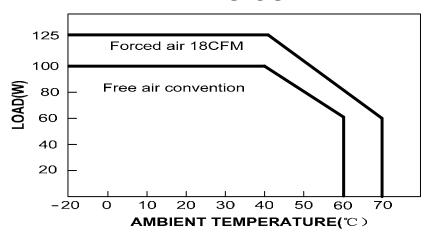
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ITEM	CONNECTOR	MATING HOUSING	TERMINAL	
AC IN (CON1)	LANDWIN 3961P0300T (CENTER PIN REMOVED)	LANDWIN 3960S OR JST VHR	LANDWIN 3963T011R OR JST SVH-21T-P1.1	
DC OUT (CON2)	LANDWIN 3961P0800T	OR MOLEX 51144	OR MOLEX 50539	
REMOTE SENSE (CON3)	LANDWIN 2541P0200T	LANDWIN 2510S OR MOLEX 5051	LANDWIN 2563T011X OR MOLEX 4809	

## **DERATING CURVE**



**UNIT:** mm

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