





Features:

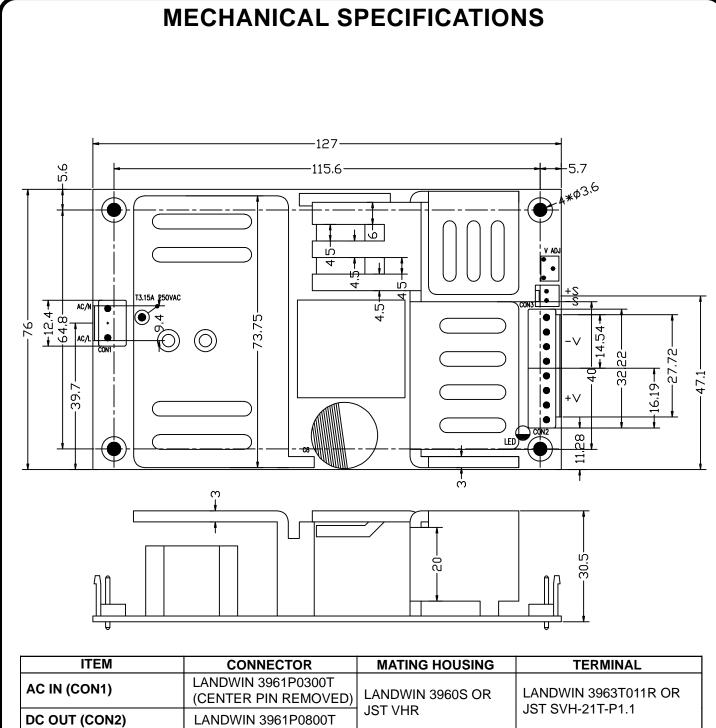
- Universal AC input/ Full range
- Built-in active PFC function, PF>0.93
- High Efficiency, and High Reliability
- Wide Operating Ambient Temperature (-20°C~60°C)
- Output Protections: OLP/OVP/SCP
- All using 105°C long life electrolytic capacitors.
- 100% full load burn-in test





Model		QPSF-125-5	QPSF-125-12	QPSF-125-15	QPSF-125-24	QPSF-125-28	QPSF-125-48	
Output Characteristics								
DC Output		5V	12V	15V	24V	28V	48V	
Rated Current		20A	10.5A	8.4A	5.2A	4.5A	2.6A	
Current Range		0~20A	0~10.5A	0~8.4A	0~5.2A	0~4.5A	0~0.42A	
Ripple and Noise		100mV	100mV	100mV	100mV	120mV	150mV	
Voltage ADJ. Range		±10% of rated output voltage						
Voltage Accuracy		±2.0%	±2.0%	±2.0%	±2.0%	±2.0%	±2.0%	
Line Regulation		±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	
Load Regulation		±2.0%	±2.0%	±2.0%	±2.0%	±2.0%	±2.0%	
Set-up Time		<2500ms (115VAC input, full load); <1200ms (230VAC input, full load)						
Hold-up Time		>17ms (115VAC input, full load); >17ms (230VAC input, full load)						
Temperature Coefficient		±0.03%/°C						
Overshoot and Undershoot		<5.0%						
Input Characteristics								
Voltage Range		90VAC~264VAC						
Frequency Range		47Hz-63Hz						
Power Factor (Typical)	PF>0.98/115VAC PF>0.93/230VAC						
Efficiency	115VAC Input	82%	85%	85%	85%	85%	86%	
(Typical)	230VAC Input	84%	87%	87%	87%	87%	88%	
AC Current (ma	ax)	1.5A	1.5A	1.5A	1.5A	1.5A	1.5A	
Inrush Current (Typical)		30A@115VAC Cold start 60A@230VAC Cold start						
Leakage Current		<3.5mA						
Protection	1							
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						
Environm	ental Chara	cteristics	teristics					
Operating Amb. Temp. & Hum		-20°C~60°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. 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 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						
Connection		7P/8.025MM barrier terminal block						
Cooling Method		Cooling by free air convection						





 DC OUT (CON2)
 LANDWIN 3961P0800T
 JST VHK
 35T SVTI-2T1-FT.T

 REMOTE SENSE (CON3)
 LANDWIN 2541P0200T
 LANDWIN 2510S OR 2540S OR MOLEX 5051
 LANDWIN 2563T011X OR MOLEX 4809

UNIT: mm

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