

Datasheet

125W Open Frame Power Supply Range

**Features:**

- High efficiency, long life and high reliability
- 3 Year Warranty
- Universal Input
- Wide Operating Ambient Temperature Range
- Operating Altitude of up to 5000m on many of the range
- UL & CE Approved

The 125W open frame power supply range has been specially designed to offer high efficiency, long life and high reliability for use in a variety of applications. This range comprises of 6 models with outputs of either 5v, 12v, 15v, 24v, 36v or 48v. Each model is approved to CE,CB, UL and come with a three year warranty.



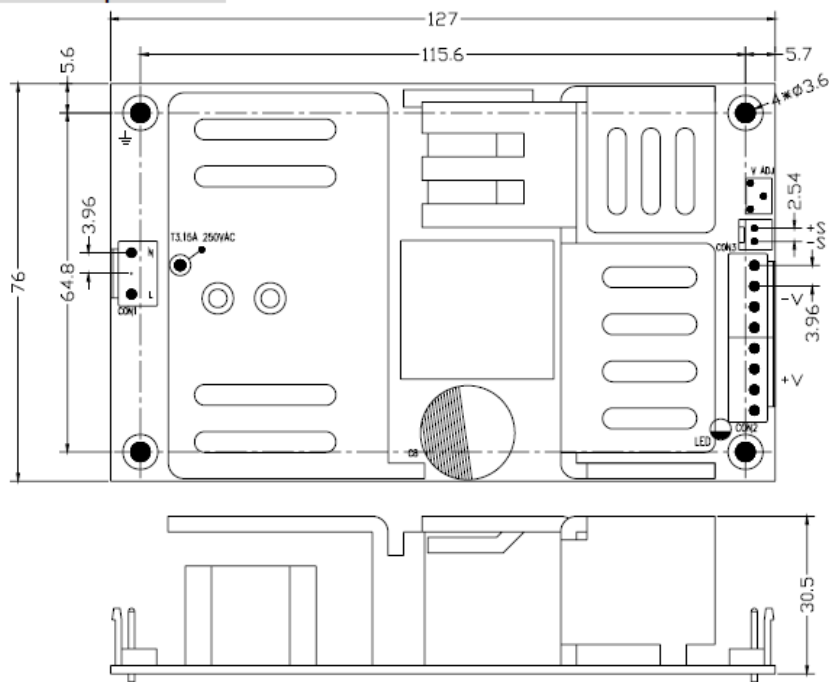


ENGLISH

RS Stock Code		1618256	1618257	1618259	1618260	1618261	1618262
Output	DC Voltage	5V	12V	15V	24V	36V	48V
	Rated Current	20A	10.5A	8.4A	5.2A	3.5A	2.6A
	Current Range	0~20A	0~10.5A	0~8.4A	0~5.2A	0~3.5A	0~2.6A
	Ripple & Noise	<100mVp-p	<100mVp-p	<100mVp-p	<100mVp-p	<120mVp-p	<150mVp-p
	Voltage Adjustment Range	5%~10% of Rated Output Voltage					
	Voltage Accuracy	+/- 3.0%					
	Line Regulation	+/- 0.5%					
	Load Regulation	+/- 2.0%					
	Overshoot & Undershoot	<5.0%					
	Rise Time	<1 Second - 230Vac at 100% Load					
	Hold Up Time	>20mS - 230Vac at 100% Load					
Input	Full Input Voltage Range	90~264Vac					
	Full Frequency Range	47-63Hz					
	AC Current	< 1.5A					
	In Rush Current	<60A@230Vac					
	Leakage Current	Input-Output:<0.25mA Input-PG:<3.5mA					
Protection	Over Load	105~180% rated output current					
	Short Circuit	Long Term Mode, auto-recovery					
Environment	Working Temp	-20°C ~ +70°C (230Vac) (Refer to output derating curve)					
	Working Humidity	20~90%RH non-condensing					
	Storage Temp	-40°C ~ +85°C					
	Storage Humidity	10 ~ 95%RH non-condensing					
Saftey	Saftey Standards	UL60950-1, EN60950-1: 2006 IEC60950-1:2005					
	Withstand Voltage	I/P-0/P: 3KVac I/P-FG: 1.5KVac 0/P-FG: 0.5KVac					
	Isolation Resistance	> 100MOhms					
	EMC Emmission	Compliance to EN55022 Class B					
	EMC Immunity	Compliance to EN61000-4-2, 3, 4, 5, 6, 8, 11					
Others	Lifetime	100,000 Hours (25°C)					
	Size	30.5mm x 76mm x 127mm					
Notes	1)All parameters NOT specially mentioned are measured at 230Vac input, rated load and 25°C of ambient temperature. 2)Measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1 uF & 47uF parallel capacitor. 3)The power supply is considered a component which must be installed into final equipment. The final equipment must be re-confirmed that it meets all applicable directives.						

■ Mechanical Specification

Unit: mm



ITEM	Connectors	Mating Housing	Contacts
AC IN(CON1)	LANDWIN3961P0300T(Central 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		
Sense(CON3)	LANDWIN 2541P0200T	LANDWIN 2510S or MOLEX 5051	LANDWIN 2563T011X or MOLEX 4809

■ Block Diagram

