

Datasheet

60W 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 60W 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 5 models with outputs of either 5v, 12v, 15v, 24v or 48v. Each model is approved to CE, CB, UL and come with a three year warranty.





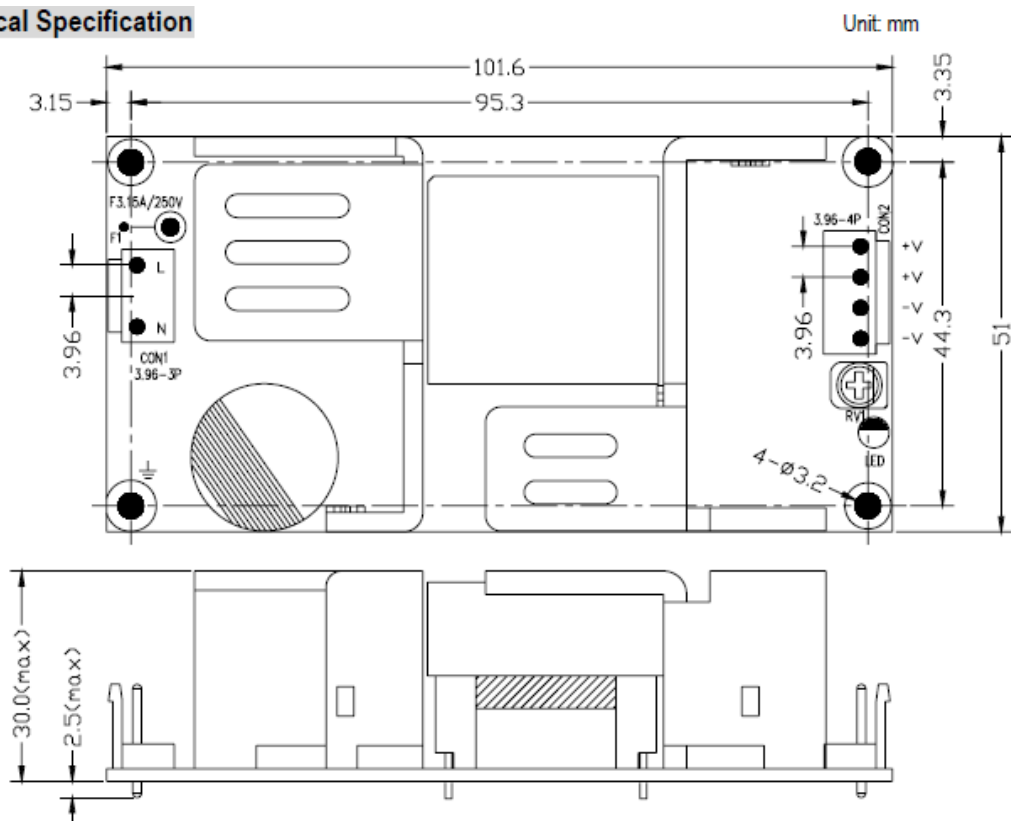
ENGLISH

RS Stock Code		1618251	1618252	1618253	1618254	1618255
Output	DC Voltage	5V	12V	15V	24V	48V
	Rated Current	8A	4.5A	3.6A	2.5A	1.25A
	Current Range	0~8A	0~4.5A	0~3.6A	0~2.5A	0~1.25A
	Ripple & Noise	<200mVp-p	<300mVp-p	<300mVp-p	<300mVp-p	<360mVp-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	-25°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
Safety	Safety 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 Emission	Compliance to EN55022 Class B
Others	EMC Immunity	Compliance to EN61000-4-2, 3, 4, 5, 6, 8, 11
	Lifetime	200,000 Hours (25°C)
	Size	101.6mm x 50.8mm x 30mm
	Package	60pcs/ctn, 12KG
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 3961P0400T		

■ Block Diagram

