












# SPECIFICATION GUIDE



## Features:

-  Universal AC input/Full range
-  AC input active surge current limiting
-  1U low profile 41mm
-  High efficiency up to 92%
-  Built-in active PFC function PF >0.97
-  Built in remote ON-OFF control and sense function
-  Forced air cooling by built-in DC fan
-  High Power Density 9.5W/inch<sup>3</sup>
-  Protections: Short circuit / Overload / Overvoltage /Over temperature

<b>OUTPUT</b>	Voltage	12V
	Rated Load	62.5A
	Current Range	0 ~ 62.5A
	Voltage Adj. Range	10 ~13.5V
	Output Tolerance	±1.0%
	Line Regulation	±0.5%
	Load Regulation	±0.5%
	Ripple Noise MAX.	150mV
	Efficiency (Typ.)	87%
	Power	750W
<b>INPUT</b>	Voltage Range	90 ~ 264VAC universal full range or 124 ~ 370VDC
	Frequency Range	47 ~ 63Hz
	Currant	8.2A@115VAC, 3.9A@230VAC
	Inrush Current	<25A@115V, <40A@230VAC input, cold start 25°C ambient
	Leakage Current	<2.0mA@240VAC input
<b>ELEC. CHARGE</b>	Rise Time	<50mS@ full load
	Hold up Time	>16mS@115 ~ 230VAC, full load
	Setup Time	<1 Sec@ full load



<b>PROTECTION</b>	<b>Overload</b>	105 ~ 125% rated output power					
		Constant current limiting, recovers automatically after fault condition is removed					
	<b>Overvoltage</b>	5.75~6.75V	13.8~16.8V	17~20.5V	27.6~32.4V	31~36.5V	56.6~66.2V
		Shut down and latch off, re-power on to recover					
<b>Over Temperature</b>	85°C± 5°C (TWS2 detect on heatsink of o/p diode) 80°C± 5°C (TWS1 detect on heatsink of power transistor)						
	Shutdown o/p voltage, recovers automatically after temperature goes down						

<b>ENVIRONMENT</b>	<b>Temperature</b>	Operating: -30 ~ +70°C; Storage: -40 ~ +85°C
	<b>Humidity</b>	Operating: 20 ~ 90% RH; Storage: 10 ~ 90% RH (non-condensing)

<b>SAFETY &amp; EMC</b>	<b>Safety Standards</b>	UL60950-1, TUV EN60950-1 Approved
	<b>Withstand Voltage</b>	I/P-O/P:3KVAC I/P-FG:2KVAC O/P-FG:0.5KVAC, 1 minute
	<b>Isolation Resistance</b>	I/P-O/P, I/P-FG, O/P-FG:100M Ohms/500VDC
	<b>EMI</b>	EN55022 (CISPR22), EN61000-3-2,3
	<b>EMS</b>	EN61000-4-2,3,4,5,6,8,11; EN55024; EN61000-6-2; EN61204-3, heavy industry level, criteria A

<b>OTHER</b>	<b>MTBF</b>	120.8K hrs min. MIL-HDBK-217F (25°C)
	<b>Dimensions</b>	L325mm x W185mm x H50mm
	<b>Cooling</b>	Forced air cooling by built-in DC fan

<b>NOTES</b>	<b>1</b>	All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.
	<b>2</b>	Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor.
	<b>3</b>	Tolerance: includes set up tolerance, line regulation and load regulation.



## ShowPower ...Powering your Technology

Showpower | 95 Oak Hill | Woodford Green | Essex IG8 9PF | UK

t +44 (0) 208 523 0303 f +44 (0) 208 527 7269 e sales@showpower.uk.com

[showpower.uk.com](http://showpower.uk.com)