












SPECIFICATION GUIDE



Features:

-  AC input active surge current limiting
-  High efficiency up to 91%
-  Built-in active PFC function PF >0.95
-  Built-in 12V/0.1A auxillary ouput for remote control
-  Alarm signal output (relay contact and TTL signal)
-  Built in remote ON-OFF control and sense function
-  Forced air cooling by built-in DC fan with speed control
-  High Power Density 12.5W/inch³
-  Protections: Short circuit / Overload / Overvoltage /Over temperature/Fan Alarm

OUTPUT	Voltage	12V
	Rated Load	166.7A
	Current Range	0 ~ 166.7A
	Voltage Adj. Range	10.5 ~14V
	Output Tolerance	±1.0%
	Line Regulation	±0.5%
	Load Regulation	±0.5%
	Ripple Noise MAX.	150mV
	Efficiency (Typ.)	87%
	Power	2000.4W
INPUT	Voltage Range	180 ~ 264VAC universal full range or 254V ~ 370VDC
	Frequency Range	47 ----- 63Hz
	Currant	<15.5A@180VAC, 12A@230VAC input, full load
	Inrush Current	<60A@230VAC input, cold start 25°C ambient
	Leakage Current	<2.0mA@240VAC input
ELEC. CHARGE	Rise Time	<80mS@ full load
	Hold up Time	>12mS@ full load
	Setup Time	<1 Sec@ full load



PROTECTION	Overload	100 ~ 112% rated output power; User adjustable continuous constant current limiting or constant current limiting with delay shutdown after 5 seconds, re-power on to recover		
	Overvoltage	13.8~16.8V	28.8~33.6V	57.6~67.2V
	Over Temperature	95°C± 5°C (TWS1: detect on heatsink of power transistor) 95°C± 5°C (TWS2: detect on heatsink of o/p diode) Shutdown o/p voltage, recovers automatically after temperature goes down		

ENVIRONMENT	Temperature	Operating: -20 ~ +70°C; Storage: -40 ~ +85°C
	Humidity	Operating: 20 ~ 90% RH; Storage: 10 ~ 95% RH (non-condensing)

SAFETY & EMC	Safety Standards	UL60950-1, TUV EN60950-1 Approved
	Withstand Voltage	I/P-O/P:3KVAC I/P-FG:1.5KVAC O/P-FG:0.5KVAC, 1 minute
	Isolation Resistance	I/P-O/P, I/P-FG, O/P-FG:100M Ohms/500VDC
	EMI	EN55022, EN61000-3-2,3
	EMS	EN61000-4-2,3,4,5,6,8,11; EN55024

OTHER	MTBF	106.7K hrs min. MIL-HDBK-217F (25°C)
	Dimensions	L360mm x W240mm x H70mm
	Cooling	Forced air cooling by built-in DC fan with speed control function.

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



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