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Verification of the latest version shall be conducted by PLM system.

ITEMS		MODEL	CS50-5	CS50-12	CS50-24	REV.
1	Nominal Output Voltage	V	5	12	24	
2	Maximum Output Current	A	10	4.2	2.2	
3	Maximum Output Power	W	50	50.4	52.8	
4	Efficiency (Typ)	(115VAC) (%)	78	83	88	
		(230VAC) (%)	80	85	89	
5	Input Voltage Range	(*3, 11)	85~265VAC (47-63Hz) or 120~370VDC			
6	Input Current (Typ)	(*) A	1.2 / 0.6			
7	Inrush Current (Typ)	(*) W	45A at 230VAC, Ta=25°C, Cold Start			
8	No load power consumption	(230VAC) (*) W	< 0.5			
9	Output Voltage Range	V	4.5~6.0	9.6~13.2	20~28.8	
10	Ripple and Noise	(*) mV	80	120	150	
11	Line Regulation	(*) mV	20	48	96	
12	Load Regulation	(*) mV	40	96	192	
13	Temperature Coefficient	-	Less than 0.02%/°C			
14	Over Current Protection	(*) A	10.5~	4.4~	2.3~	
15	Over Voltage Protection	(*) V	6.25~7.5	13.8~16.8	30.0~34.8	
16	Hold-Up Time (Typ)	(115VAC) (*)	-	10ms	-	
	(Typ)	(230VAC) (*)	-	50ms	-	
17	Leakage current	(*)	0.5mA(Typ) at 230VAC, 0.75mA max @ 265VAC, 60Hz			
18	Series Operation	-	Possible			
19	Operating Temperature	(*)	- 20 ~ + 70 °C (Refer to Output Derating Curve)			
20	Operating Humidity	-	30 ~ 90 %RH (No dewdrop)			
21	Storage Temperature	-	- 30 ~ +85°C			
22	Storage Humidity	-	10 ~ 95%RH (No dewdrop)			
23	Cooling	-	Convection cooling			
24	Withstand Voltage	-	Input - Output : 3.0kVAC (20mA), Input - FG : 2.0kVAC (20mA) Output - FG : 500VAC (100mA) for 1min.			
25	Isolation Resistance	-	Input - Output, Input - FG and Output - FG : More than 100MΩ (500VDC) at Ta=25°C and 70%RH			
26	Vibration	-	At no operating, 10 - 55Hz (sweep for 1min) 19.6m/s ² Constant, X, Y, Z 1hour each			
27	Safety	-	Built to meet UL60950-1, CSA60950-1, EN60950-1, GB4943			
28	EMI	(*)	Built to meet FCC-Class B, EN55011/EN55022-B			
29	Immunity	(*)	Built to meet EN61000-4-2,-3,-4,-5,-6,-8,-11			
30	Weight (Typ)	g	350g			
31	Dimension	mm	36 x 97 x 99 (Refer to Outline Drawing)			

* Read instruction manual carefully , before using the power supply unit.

= NOTES=

* 1 : At maximum output power, nominal input voltage(115VAC / 230VAC), Ta = 25°C.

* 2 : At 230VAC Io=0% , Ta = 25°C.

* 3 : For cases where conformance to various safety specs (EN,CQC) are required, to be described as 100 - 240VAC, 50 / 60Hz on name plate.
280VAC (max) input operation is possible.

* 4 : Not applicable for the in-rush current to Noise Filter for less than 0.2ms.

* 5 : Please refer to Fig A for measurement of line & load regulation, ripple and noise voltage.

Ripple & noise are measured at 20MHz by using a twisted pair of load wires terminated with a 0.1uF and 47uF capacitor.

* 6 : 85 - 265VAC, constant load.

* 7 : No load - Full load(Maximum power), constant input voltage.

* 8 : Hiccup current limit with automatic recovery.

Avoid to operate at overload or dead short for more than 30seconds.

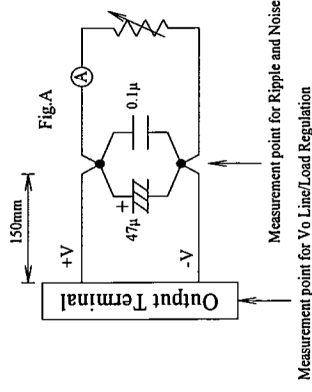
* 9 : OVP circuit will shutdown output, manual reset (Re power on).

* 10: Measured by each measuring method of EN,CQC.

* 11: Refer to Output Derating Curve (next page) for details of output derating
versus input voltage, ambient temperature and mounting method .

90% load start up at Vin>=100Vac at -30°C is possible.

However, it may not fulfil all the specifications.



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