CA787-01-01A DWG No.

REV.

A

printed drawing. by PLM system.		MOD		EL	CS100-5	CS100-12	CS100-24	
draw		ITEMS				C5100-3	C5100 12	05100 21
ted (	1	Nominal Output Voltage			V	5	12	24
prin by F	2	Maximum Output Current			Α	20	8.5	4.5
the	3	Maximum Output Power			W	100	102	108
This is uncontrolled copy when without Authorized Mark on the Verification of the latest version shall be conducted	4	Efficiency (Typ)	(230VAC)	(*1)	%	82	84	87
	5	Input Voltage Range		(*2)		176~ 265VAC (47-63Hz) or 240~370VDC		
ed N	6	Input Current (Typ)	(230VAC)	(*1)	Α	1.2		
oriz sha	7	Inrush Current (Typ)		(*3)	-	45A at 230VAC, Ta=25°C, Cold Start		
Auth sion	8	Output Voltage Range			V	4.5~6.0	10.2~13.2	20~28.8
out /	9	Ripple and Noise	(230VAC)	(*1,4)	mV	100	100	150
vitho	10	Line Regulation		(*4,5)	mV	20	48	96
en v he la	11	Load Regulation		(*4,6)	mV	40	96	120
wh of t	12	Temperature Coefficient			_	Less than 0.02%/°C		
opy: tion	13	Over Current Protection		(*7)	A	21~	8.9~	4.7~
led ( fica	14	Over Voltage Protection		(*8)	V	6.25~7.5	13.8~16.8	30.0~34.8
Veri	15	Hold-Up Time (Typ)	(230VAC)	(*1)		20ms		
con	16	Leakage current		(*9)	_	0.5mA(Typ) at 230VAC, 0.75mA max @ 265VAC,60Hz		
is ur	17	Series Operation			-	Possible		
his	18	Operating Temperature		(*10)	-	- 20 ~ + 70 °C (Refer to Output Derating Curve)		
H	19	Operating Humidity			-	30 ~ 90 %RH (No dewdrop)		
	20	Storage Temperature			-	- 30 ~ +85°C		
	21	Storage Humidity -			_	10 ~ 95%RH (No dewdrop)		
	22	Cooling			-	Convection cooling		
	23	Withstand Voltage			_	Input - Output: 3.0kVAC (20mA), Input - FG: 2.0kVAC (20mA)		
					Output - FG: 500VAC (100mA) for 1min.			
	24	Isolation Resistance			_	More than 100MΩ at Ta=25°C and 70%RH, Output - FG: 500VDC		
	25	Vibration				At no op	erating, 10 - 55Hz (sweep for	or 1min )

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

= NOTES=

Immunity

30 Dimension

Weight (Typ)

26 Safety

28

27 EMI

- \* 1: At maximum output power, nominal input voltage, Ta = 25°C.
- \* 2: For cases where conformance to various safety specs (EN,CQC) are required, to be described as 200 240VAC, 50 / 60Hz on name plate. 280VAC (max) input operation is possible.
- \* 3: Not applicable for the in-rush current to Noise Filter for less than 0.2ms.
- \* 4: 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.

(\*1)

(\*1)

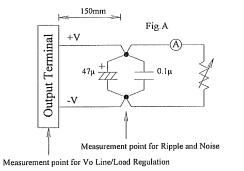
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mm

- \* 5: 176 265VAC, constant load.
- \* 6: No load Full load(Maximum power), constant input voltage.
- \* 7: Hiccup current limit with automatic recovery.

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

- \* 8: OVP circuit will shutdown output, manual reset (Re power on).
- \* 9: Measured by each measuring method of EN,CQC.
- \* 10: Refer to Output Derating Curve (next page) for details of output derating versus input voltage, ambient temperature and mounting method. 100% load start up at Vin>=200Vac at -30°C is possible. However, it may not fulfil all the specifications.



19.6m/s<sup>2</sup> Constant, X, Y, Z 1hour each Built to meet EN60950-1, GB4943

Built to meet FCC-Class B, EN55011/EN55022-B

Built to meet EN61000-4-2,-3,-4,-5,-6,-8,-11

500g

159 x 97 x 40 (Refer to Outline Drawing)

DWG:	Bhilo	CHK:	Kevin He
APPD:	Kezin He	DATE:	1-AVG-2011

