SPECIFICATIONS

CA807-01-01D

		MODEL		RWS100B	RWS100B	RWS100B	RWS100B	RWS100B
	ITEMS			-5	-12	-15	-24	-48
1	Nominal Output Voltage		V	5	12	15	24	48
2	Maximum Output Current		A	14	8.5	6.8	4.5	2.1
3	Maximum Output Power		W	70	102	102	108	100.8
4	Efficiency (Typ)	100/115VAC	%	77/77.5	82/83	83/84	85/86	85/86
		200/230VAC	%	79/79	84/84	85/85	87/87.5	87/87
5	Input Voltage Range	(*2)(*11)	-		85 - 265VAC	(47 - 63Hz) or 1		
6	Input Current (Typ)	100/115VAC	Α	1.0/0.9		1.3	/1.2	
		200/230VAC	Α	0.5/0.45			/0.6	
7	Inrush Current (Typ) (*1)(*3)(*11)		-	15A at 100VAC, 30A at 200VAC, Ta=25°C, Cold Start				
8	PFHC		-	Designed to meet IEC61000-3-2				
9	Power Factor (Typ) (*1)(*11)			0.95 at 100VAC, 0.90 at 200VAC				
10	Output Voltage Range		V	4.50 - 5.75	10.8 - 13.8	13.5 - 17.25	21.6 - 27.6	43.2 - 52.8
11	Maximum Ripple & Noise	0 <u><</u> Ta <u><</u> 70°C		120	150	150	150	200
	(*4)	-20 <u>≤</u> Ta<0°C		160	180	180	180	300
12	Maximum Line Regulation	(*5)(*11)	mV	20	48	60	96	192
13	Maximum Load Regulation	(*6)(*11)	mV	40	96	120	192	384
	Temperature Coefficient		-			ss than 0.02% / '	°C	-
	Over Current Protection	(*7)	A	14.7 -	8.93 -	7.14 -	4.73 -	2.21 -
16	Over Voltage Protection	(*8)	V	6.0 - 7.0	14.4 - 16.8	18.0 - 21.0	28.8 - 33.6	55.2 - 64.8
17	Hold-up Time (Typ)	(*12)	-	20ms				
	Leakage Current	(*9)	-	Less than 0.75mA				
19	Parallel Operation		-	-				
20	Series Operation		-	Possible				
21		(*10)(*11)	-	-20 - +70°C (-20°C: 50%, -10 - +45°C:100%, +70°C:20%)				
22	Operating Humidity		-	30 - 90%RH (No Condensing)				
23	Storage Temperature		-	-30 - +75°C				
24	g		-	10 - 90%RH (No Condensing)				
25	Cooling		-	Convection Cooling				
26	Withstand Voltage		-	Input - FG: 2kVAC (20mA), Input - Output: 3kVAC (20mA)			(20mA)	
				Output - FG: 500VAC (100mA) for 1min				
27	Isolation Resistance		-	More than $100M\Omega$ at 25°C and 70%RH Output to FG : 500VDC				
28	Vibration		-	At no operating, 10 - 55Hz (Sweep for 1min)				
				19.6m/s ² Constant, X,Y,Z 1hour each.				
29	Shock		-	Less than 196.1m/s ²				
30	Safety		-	Approved by UL60950-1, EN60950-1, UL508 (5V,12V,24V), CSA60950-1				
				CSA C22.2 No.107.1-01. (5V,12V,24V).				
L_				Designed to meet Den-an Appendix 8 at 100VAC only.				
	Line DIP		-	Designed to meet SEMI-F47 (200VAC Line only)				
32	Conducted Emission	(*13)	-	Designed to meet EN55011/EN55022-B, FCC-B, VCCI-B				
	Radiated Emission	(*13)	-	Designed to meet EN55011/EN55022-B, FCC-B, VCCI-B				
	Immunity	(*13)	- g	Designed to meet IEC61000-6-2 IEC61000-4-2, -3, -4, -5, -6, -8, -11				
				400				
	5 Size (W x H x D) mm 39 x 94 x 108 (Refer to Outline Drawing)							

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

- *1. At Ta=25°C, nominal output voltage and maximum output power.
- *2. For cases where conformance to various safety specs (UL, CSA, EN) are required, to be described as 100 240VAC(50-60Hz).
- *3. Not applicable for the inrush current to Noise Filter for less than 0.2ms.

*4. Please refer to Fig. A for measurement of Vo, line & load regulation and ripple voltage.

*5. 85 - 265VAC, constant load.

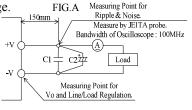
- *6. No load-Full load, constant input voltage.
- *7. 5V 15V model: Constant current limit and hiccup with automatic recovery.
 - 24V 48V model: Constant current limit with automatic recovery.

Avoid to operate at over load or short circuit condition.

- *8. OVP circuit will shut down output, manual reset (Re power on).
- *9. Measured by the each measuring method of UL, CSA, EN and Den-an (at 60Hz), Ta=25°C.

*10. Output Derating
- Derating at standard mounting. Refer to LOAD vs. AMBIENT TEMPERATURE (CA807-01-02).

- Load (%) is percent of maximum output power or maximum output current, do not exceed its derating of maximum load.
- Load (76) is percent of maximum output power of maximum output current, do not exceed its default of 100 maximum of 100 maximum output current, do not exceed its default of 100 maximum of 100 maximum output current, do not exceed its default of 100 maximum output current, do not exceed its default of 100 maximum output current, do not exceed its default of 100 maximum output current, do not exceed its default of 100 maximum output current, do not exceed its default of 100 maximum output current.
- *11. Output derating needed when input voltage less than 110VAC. Refer to LOAD vs. INPUT VOLTAGE (CA807-01-02_).
- *12. At 110VAC/200VAC, Ta=25°C, nominal output voltage and maximum output power.
- *13. The power supply is considered a component which will be installed into a final equipment. The final equipment should be re-evaluated that it meets EMC directives.



C1 : Film Cap. $0.1\mu F$ C2 : Elect. Cap. $100\mu F$

OUTPUT DERATING

CA807-01-02A

	LOAD (%)			
Ta (°C)	MOUNTING A	MOUNTING B,C,D		
-20	50	50		
-10 - +35	100	100		
45	100	68		
60	52	20		
70	20	0		

INPUT VOLTAGE	LOAD (%)	LOAD (%)
(VAC)	12V - 48V	5V
85	80	90
90	84	100
100	92	100
110 - 265	100	100

