SPECIFICATIONS

CA806-01-01/CO2-C

MODEL		L	RWS50B-5/CO2	RWS50B-12/CO2	RWS50B-24/CO2	RWS50B-48/CO2
1	Nominal Output Voltage	V	5	12	24	48
2	Maximum Output Current	A	10	4.3	2.2	1.1
3	Maximum Output Power	W	50	51.6	52.8	52.8
4	Efficiency (Typ) (*1) 100VA	C %	77	82	86	86
	200VA	С %	79	84	87	88
5	Input Voltage Range (*2)(*1	2) -	85 - 265VAC (47 - 63Hz) or 120 - 370VDC			
6	Input Current (Typ) (*	1) A	1.1/0.7			
7	Inrush Current (Typ) (*1)(*		18A at 100VAC, 36A at 200VAC, Ta=25°C, Cold Start			
8	Output Voltage Range	V	4.50 - 5.75	10.8 - 13.8	21.6 - 27.6	43.2 - 52.8
9	Maximum Ripple & Noise 0≤Ta≤70	°C mV	120	150	150	200
	(*4)(*5) -20 <u><</u> Ta<	°C mV	160	180	180	300
10	Maximum Line Regulation (*6)(*1		20	48	96	192
11	Maximum Load Regulation (*7)(*1	2) mV	40	96	192	384
12	Temperature Coefficient	-	Less than 0.02% / °C			
13	Over Current Protection (*		10.50 -	4.52 -	2.31 -	1.16 -
14	o rei reitage i i ettetteti (9) V	6.0 - 7.0	14.4 - 16.8	28.8 - 33.6	55.2 - 64.8
15	Hold-up Time (Typ)	-	15ms at 100VAC & 100% load, 20ms at 100VAC & 70% load			
16	Leakage Current (*1	0) -	Less than 0.75mA			
17	Parallel Operation	-	-			
18	Series Operation	-	Possible			
19	Operating Temperature (*11)(*1	2) -	-20 - +70°C (-20°C:50%, -10 - +45°C:100%, +70°C:20%)			
20	Operating Humidity	-	30 - 90%RH (No Condensing)			
21	Storage Temperature	-	-30 - +75°C			
22	Storage Humidity	-	10 - 90%RH (No Condensing)			
23	Cooling	-	Convection Cooling			
24	Withstand Voltage	-	Input - FG : 2kVAC (20mA), Input - Output : 3kVAC (20mA)			
			Output - FG: 500VAC (100mA) for 1min			
25	Isolation Resistance	-	More than 100MΩ at 25°C and 70%RH Output - FG: 500VDC			
26	Vibration	-	At no operating, 10 - 55Hz (Sweep for 1min)			
			19.6m/s ² Constant, X,Y,Z 1hour each.			
27	Shock	-	Less than 196.1m/s ²			
28	Safety	-	Approved by UL62368-1, CSA62368-1, EN62368-1, UL60950-1, CSA60950-1,			
			EN60950-1 (Expire date of 60950-1 : 20/12/2020)			
			UL508 (5V,12V,24V), CSA C22.2 No.107.1-01. (5V,12V,24V).			
			Designed to meet Den-an Appendix 8 at 100VAC only.			
29	Line DIP	-	Designed to meet SEMI-F47 (200VAC Line only)			
30	Conducted Emission (*1	/	Designed to meet EN55011/EN55032-B, FCC-B, VCCI-B			
31	Radiated Emission (*1	/	Designed to meet EN55011/EN55032-B, FCC-B, VCCI-B			
32	Immunity (*1	3) -	Designed to meet IEC61000-6-2 IEC61000-4-2, -3, -4, -5, -6, -8, -11			
33	Weight (Typ)	g	230			
34	Size (W x H x D)	mm	34 x 82 x 81.5 (Refer to Outline Drawing)			

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

=NOTES=

- *1. At 100VAC/200VAC, 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. For start up at low ambient temperature and low input voltage, output ripple noise might not meet specification.

However, specification can be met after one second.

*6. 85 - 265VAC, constant load.

- *7. No load-Full load, constant input voltage.
- *8. Hiccup with automatic recovery.

Avoid to operate at over load or short circuit condition.

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

*11. Output Derating

- Derating at standard mounting. Refer to LOAD vs. AMBIENT TEMPERATURE (CA806-01-02).
- Load (%) is percent of maximum output power or maximum output current, do not exceed its derating of maximum load.
- *12. Output derating needed when input voltage less than 100VAC. Refer to LOAD vs. INPUT VOLTAGE (CA806-01-02).
- *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.

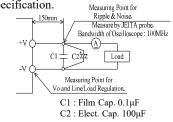


Fig.A