RWS150B/CO2I

SPECIFICATIONS

A260-01-01/CO2I

MODEL			/	RWS150B-12/CO2	RWS150B-24/CO2	RWS150B-48/CO2
-	Part No		-	RWS150B-12/CO2I	RWS150B-24/CO2I	RWS150B-48/CO2I
1	Nominal Output Voltage		V	12	24	48
2	Maximum Output Current		A	13	6.5	3.3
3	Maximum Output Power		W	156	156	158.4
4	Efficiency (Typ) (*1)(*11) 100VAC		%	84	86	86
		200VAC	%	87	89	89
5	Input Voltage Range	(*2)(*11)	-	85 - 265	5VAC (47 - 63Hz) or 120 - 3	70VDC
6	Input Current (Typ) (*1)(*11)		A	1.9/1.0		
7	Inrush Current (Typ) (*1)(*3)(*11)		-	16A at 100VAC, 32A at 200VAC, Ta=25°C, Cold Start		
8	PFHC		-	Designed to meet IEC61000-3-2		
9	Power Factor (Typ) (*1)(*11)		-	0.95/0.90		
10	Output Voltage Range		V	10.8 - 13.8	21.6 - 27.6	43.2 - 52.8
11	Maximum Ripple & Noise	0 <u><</u> Ta <u><</u> 70°C	mV	150	150	200
		-20 <ta<0°c< td=""><td></td><td>180</td><td>180</td><td>300</td></ta<0°c<>		180	180	300
12	Maximum Line Regulation		mV	48	96	192
13	Maximum Load Regulation		mV	96	192	384
14	Temperature Coefficient		_	Less than 0.02% / °C		
15	Over Current Protection	(*7)	A	13.65 ≤	6.83 ≤	3.47 <u><</u>
16	Over Voltage Protection	(*8)	V	14.4 - 16.8	28.8 - 33.6	55.2 - 64.8
17	Hold-up Time (Typ)	(*12)		20ms		
18	Leakage Current	(*9)	_	Less than 0.75mA		
19	Parallel Operation	(- /	_	-		
20	Series Operation		_	Possible		
21	•	*10)(*11)	_	-20 to +70°C (-20°C:50%, -10 to +40°C:100%, +70°C:20%)		
22	Operating Humidity) ()	_	30 to 90%RH (No Condensing)		
23	Storage Temperature -		-	-30 to +75°C		
24	Storage Humidity - 10 to 90%RH (No Condensing)		g)			
25	Cooling		-	Convection Cooling		
26			-	Input - FG : 2kVAC (20mA), Input - Output : 3kVAC (20mA)		
	Output - FG : 500VAC (100					
27	Isolation Resistance		- More than 100MΩ at 25°C and 70%RH Output - 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				Approved by UL62368-1, CSA62368-1, EN62368-1, UL60950-1, CSA60950-1,		
	Sarety		UL508 (12V,24V), CSA C22.2 No.107.1-01. (12V,24V), IS13252 (Pa			
	Designed to meet Den-an Appendix					
31	Line DIP		_	Designed to meet SEMI-F47 (200VAC Line only)		
32	Conducted Emission	(*13)	-	Designed to meet EN55011/EN55032-B, FCC-B, VCCI-B		
33	Radiated Emission	(*13)		Designed to meet EN55011/EN55032-B, FCC-B, VCCI-B		
34	Immunity	(*13)		Designed to meet IEC61000-6-2 IEC61000-4-2, -3, -4, -5, -6, -8, -11		
35			g	480		
36			mm	41 x 94 x 128 (Refer to Outline Drawing)		
37	Other (*14)		-	PCB Coating on component side and solder side.		
31	1' ' ' 1 6 11 1 6			1 CD Coating on component state and solder state.		

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

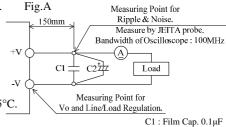
- *1. At 100VAC/200VAC, Ta=25°C, nominal output voltage and maximum output power.
- *2. For cases where conformance to various safety specs (UL, CSA, EN) are required, to be described as 100 240VAC (50-60Hz).
- *3. Not applicable for the inrush current to Noise Filter for less than 0.2ms.
- *4. Please refer to Fig. A for measurement of Vo, line & load regulation and ripple voltage.
- *5. 85 265VAC, constant load.
- *6. No load-Full load, constant input voltage.
- *7. 12V 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 (A260-01-02_).

- Load (%) is percent of maximum output power or maximum output current, do not exceed its derating of maximum load.

- *11. Output derating needed when input voltage less than 110VAC. Refer to LOAD vs. INPUT VOLTAGE (A260-01-02_).
- *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.
- *14. For "/CO2I" model, both sides of PCB are coated. However, some areas on PCB are not coated.





C2: Elect. Cap. 100µF