

**RWS600B**

SPECIFICATIONS

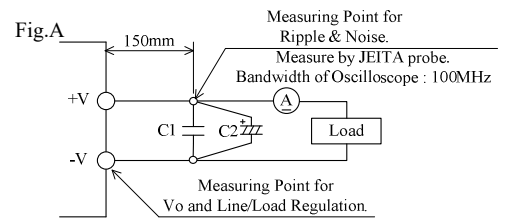
A262-01-01H

ITEMS		MODEL	RWS600B-5	RWS600B-12	RWS600B-15	RWS600B-24	RWS600B-36	RWS600B-48	
1	Nominal Output Voltage	V	5	12	15	24	36	48	
2	Maximum Output Current	A	100	50	40	25	16.7	12.5	
3	Maximum Output Power	W	500	600	600	600	601.2	600	
4	Efficiency (Typ) (*1)(*11)	100/115VAC	%	74/74	81/82	81/82	84/85	85/85	85/85
		200/230VAC	%	77/77.5	84/84.5	84/84.5	88/88.5	88/88.5	88/88.5
5	Input Voltage Range	(*2)(*11)	85 - 265VAC (47 - 63Hz) or 120 - 330VDC						
6	Input Current (Typ) (*1)(*11)	100/115VAC	A	6.5/6.2		7.2/6.6			
		200/230VAC	A	3.6/3.2		4.0/3.6			
7	Inrush Current (Typ)	(*1)(*3)(*11)	20A at 100VAC, 40A at 200VAC, Ta=25°C						
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 - 17.2	21.6 - 27.6	32.4 - 41.4	43.2 - 52.8	
11	Maximum Ripple & Noise (*4)	0<Ta<70°C	mV	120	150	150	150	200	200
		-20<Ta<0°C	mV	160	180	180	180	240	500
12	Maximum Line Regulation	(*5)(*11)	mV	20	48	60	96	144	192
13	Maximum Load Regulation	(*6)(*11)	mV	40	96	120	192	288	384
14	Temperature Coefficient	-	Less than 0.02% / °C						
15	Over Current Protection	(*7)	A	105.0 -	52.5 -	42.0 -	26.3 -	17.5 -	13.1 -
16	Over Voltage Protection	(*8)	V	6.0 - 7.0	14.4 - 16.8	18.0 - 21.0	28.8 - 33.6	43.2 - 50.4	55.2 - 64.8
17	Hold-up Time (Typ)	(*12)	-	20ms					
18	Leakage Current	(*9)	-	Less than 0.75mA					
19	Remote Control	-	Option						
20	Parallel Operation	-	Option						
21	Series Operation	-	Possible						
22	Operating Temperature	(*10)(*11)	-	-20 - +70°C (-20 - +50°C : 100%, +70°C : 50%)					
23	Operating Humidity	-	30 - 90%RH (No Condensing)						
24	Storage Temperature	-	-30 - +75°C						
25	Storage Humidity	-	10 - 90%RH (No Condensing)						
26	Cooling	-	Forced Air Cooling						
27	Withstand Voltage	-	Input - FG : 2kVAC (20mA), Input - Output : 3kVAC (20mA) Output - FG : 500VAC (100mA) for 1min						
28	Isolation Resistance	-	More than 100MΩ at 25°C and 70%RH Output to Chassis : 500VDC						
29	Vibration	-	At no operating, 10 - 55Hz (Sweep for 1min) 19.6m/s <sup>2</sup> Constant, X, Y, Z 1hour each.						
30	Shock	-	Less than 196.1m/s <sup>2</sup>						
31	Safety	-	Approved by UL62368-1, CSA62368-1, EN62368-1, UL60950-1, CSA60950-1 EN60950-1 (Expire date of 60950-1 : 20/12/2020) UL508 (24V Only), CSA C22.2 No.107.1-01. (24V Only). Designed to meet Den-an Appendix 8 at 100VAC only.						
32	Line DIP	-	Designed to meet SEMI-F47 (200VAC Line only)						
33	Conducted Emission	(*14)	Designed to meet EN55011/EN55032-B, FCC-B, VCCI-B						
34	Radiated Emission	(*13)(*14)	Designed to meet EN55011/EN55032-B, FCC-B, VCCI-B						
35	Immunity	(*14)	Designed to meet IEC61000-6-2 IEC61000-4-2, -3, -4, -5, -6, -8, -11						
36	Weight (Typ)	g	1600						
37	Size (W x H x D)	mm	61 x 120 x 190 ( 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 in-rush 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 (A262-01-02 \_).
  - 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 (A262-01-02 \_).
- \*12. At 110VAC/200VAC, Ta=25°C, nominal output voltage and maximum output power.
- \*13. With clamp filter (TDK ZCAT3035-1330) on input line.
- \*14. 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. 0.1μF  
C2 : Elect. Cap. 100μF

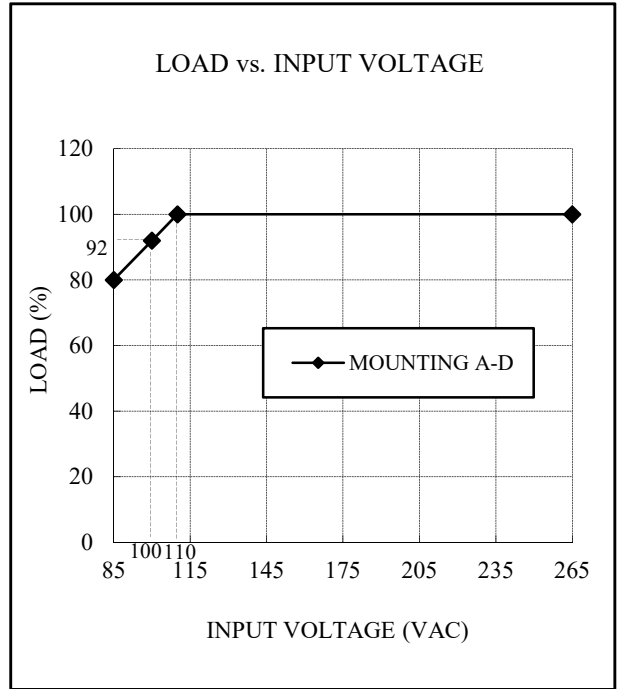
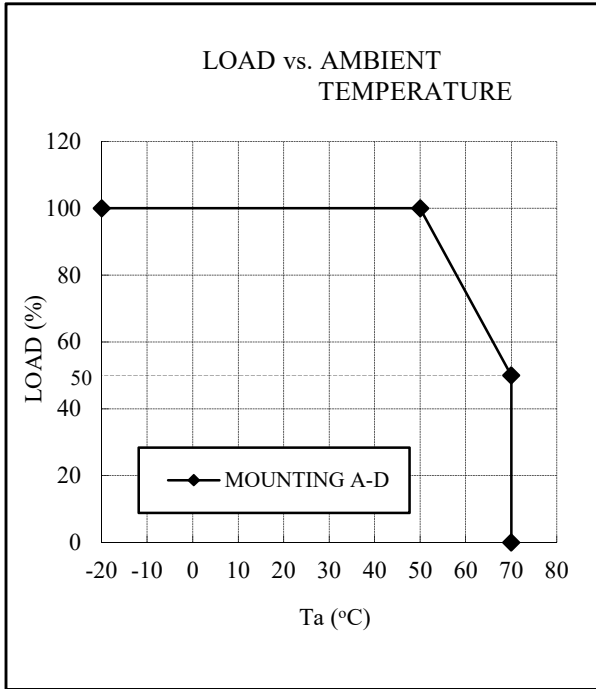
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OUTPUT DERATING

A262-01-02A

Ta (°C)	LOAD (%)
	MOUNTING A-D
-20 - +50	100
70	50

INPUT VOLTAGE (VAC)	LOAD (%)
	MOUNTING A-D
85	80
100	92
110 - 265	100



MOUNTING A (STANDARD MOUNTING)    MOUNTING B    MOUNTING C    MOUNTING D    DON'T USE

