SPECIFICATIONS

A261-01-01/I

Part No	MODEL				RWS300B-12	RWS300B-24	RWS300B-48
1 Nominal Output Voltage		ITEMS					
A 25 12.5 6.3							
Maximum Output Power		i					
Efficiency (Typ) (*1)(*1) 100/115VAC % 79/79.5 85/85 85/85 85/85							
D00/230VAC % 82/82.5 88/88 88/88 88/88 6	_						
5 Input Voltage Range	4	Efficiency (Typ) (*1)(*11)					
6 Input Current (Typ)	_	T T T					
(*1)(*11) 200/230VAC A 2.1 / 1.9 7 Inrush Current (Typ) (*1)(*3)(*11) - 17A at 100VAC, 34A 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 10.8 - 13.8 21.6 - 27.6 43.2 - 52.8 11 Maximum Ripple & Noise (**1) 0.95 at 100VAC, 0.90 at 200VAC 43.2 - 52.8 12 Maximum Line Regulation (**6)(**11) mV 180 180 500 12 Maximum Load Regulation (**6)(**11) mV 48 96 192 384 14 Temperature Coefficient - Less than 0.02% / °C 192 384 14 Temperature Coefficient - Less than 0.02% / °C 10 10 19 20 13.13 ≤ 6.62 ≤ 16.62 ≤ 16.0ver Voltage Protection (**7) A 26.25 ≤ 13.13 ≤ 6.62 ≤ 16.62 ≤ 10 10 10 10	_						
7 Inrush Current (Typ)	6						
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 10.8 - 13.8 21.6 - 27.6 43.2 - 52.8 11 Maximum Ripple & Noise (*4) 0.210√7a.√0°C mV 150 150 200 12 Maximum Line Regulation (*5)(*11) mV 48 96 192 384 14 Temperature Coefficient Temperature Temperature (*8) - Less than 0.02% / °C 66.2 ≤ 16 Over Voltage Protection (*8) V 14.4 - 16.8 28.8 - 33.6 55.2 - 64.8 55.2 - 64.8 17 Hold-up Time (Typ) (*12) - 20 20ms Less than 0.75mA 19 Parallel Operation Pemperature (*9) - 20 to +70°C (-20°C: 50%, -10 to +50°C: 100%, +60°C: 85%, +70°C: 50% 20 Operating Temperature (*10)(*11)20 to +70°C (-20°C: 50%, -10 to +50°C: 100%, +60°C: 85%, +70°C: 50% 22 Operating Temperature (*10)(*11)20 to +70°C (-20°C: 50%, -10 to +50°C: 100%, +60°C: 85%, +70°C: 50% 23 Storage Temperature (*10)(*11)20 to +70°C (-20°C: 50%, -10 to +50°C: 100%, +60°C: 85%, +70°C: 50% 23 Storage Temperature (*10)(*10 to +50°C: 100%,	-						
9 Power Factor (Typ)				-			
10 Output Voltage Range				-			
Maximum Ripple & Noise				-			
Comparison Com			0./E /700C	•			
12 Maximum Line Regulation (*5)(*11) mV 48 96 192 384 14 Temperature Coefficient - Less than 0.02% / °C 15 Over Current Protection (*7) A 26.25 ≤ 13.13 ≤ 6.62 ≤ 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 - Possible 20 Series Operation - Possible 21 Operating Temperature (*10)(*11) - -20 to +70°C (-20°C : 50%, -10 to +50°C : 100%, +60°C : 85%, +70°C : 50% 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) 25 Cooling - Forced Air Cooling 26 Withstand Voltage - Input - FG : 2kVAC (20mA), Input - Output : 3kVAC (20mA) Output - FG : 500VAC (100mA) for Imin 27 Isolation Resistance - More than 100MΩ at 25°C and 70%RH Output - FG : 500VDC 28 Vibration - At no operating, 10 - 55Hz (Sweep for Imin) 29 Shock - Less than 196.1m/s² Approved by UL62368+1, CSA62368+1, ENG2368+1, UL60950-1, CSA60950-1 UL508, CSA C22.2 No.107.1-01, IS13252 (Part 1), Designed to meet Den-an Appendix 8 at 100VAC only, and Immunity Designed to meet EN55011/EN55032-B, FCC-B, VCC1-B 30 Radiated Emission (*13) Designed to meet EN55011/EN55032-B, FCC-B, VCC1-B 31 Line DIP Designed to meet EN55011/EN55032-B, FCC-B, VCC1-B 32 Conducted Emission (*13) Designed to meet EN55011/EN55032-B, FCC-B, VCC1-B 33 Radiated Emission (*13) Designed to meet EN55011/EN55032-B, FCC-B, VCC1-B 34 Immunity (*13) Designed to meet IEC61000-6-2 IEC61000-4-2, -3, -4, -5, -6, -8, -11 35 Weight (Typ) g 36 Size (W × H × D) mm 41 × 102 × 170 (Refer to Outline Drawing)	11	* *					
13 Maximum Load Regulation (*6)(*11) mV 96 192 384 14 Temperature Coefficient - Less than 0.02% / °C 15 Over Current Protection (*8) V 14.4 - 16.8 28.8 - 33.6 55.2 - 64.8 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 - - Possible 21 Operating Temperature (*10)(*11) - -20 to +70°C (-20°C : 50%, -10 to +50°C : 100%, +60°C : 85%, +70°C : 50% 22 Operating Temperature - - - -00 +70°C (-20°C : 50%, -10 to +50°C : 100%, +60°C : 85%, +70°C : 50% 23 Storage Temperature - - -00 +70°C (-20°C : 50%, -10 to +50°C : 100%, +60°C : 85%, +70°C : 50% 24 Storage Temperature - - -00 +70°C (-20°C : 50%, -10 to +50°C : 100%, +60°C : 85%, +70°C : 50% 23 Storage Tempe	10	(./					
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Parallel Operation							
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Conducted Emission Conduc							
Output - FG : 500VAC (100mA) for 1min				-			
Solution Resistance - More than 100MΩ at 25°C and 70%RH Output - FG: 500VDC	26	Withstand Voltage		-			
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*Dood instruction manual corafully before using the newer supply unit							

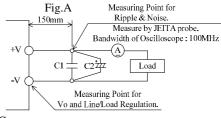
*Read instruction manual carefully, before using the power supply unit.

=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. 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 (A261-01-02_).

- 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 (A261-01-02_).
- *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. 0.1µF

C2: Elect. Cap. 100µF