

JWS 300**SPECIFICATIONS**

A161-01-01E

MODEL			JWS300	JWS300	JWS300	JWS300	JWS300	JWS300	JWS300	
ITEMS			-2	-3	-5	-12	-15	-24	-48	
1	Nominal Output Voltage	V	2	3.3	5	12	15	24	48	
2	Maximum Output Current	A	60	60	60	27	22	14	6.5	
3	Maximum Output Power	W	120	198	300	324	330	336	312	
4	Efficiency (Typ.)	(*) %	60	68	74	76	77	80	80	
5	Input Voltage Range	(*) -	85 ~ 265VAC (47-63Hz) or 120~330VDC							
6	Input Current (100/200VAC)(Typ.)	(*) A	2.1/1.1	3.0/1.5	4.4/2.2					
7	Inrush Current(Typ.)	(*) -	20A at 100VAC, 40A at 200VAC							
8	PFHC	-	Built to meet EN61000-3-2							
9	Power Factor (100/200VAC)(Typ.)	(*) -	0.99/0.95							
10	Output Voltage Range	V	1.80-2.40	2.97-3.96	4.50-6.00	10.8-14.4	13.5-18.0	21.6-28.8	43.2-52.8	
11	Maximum Ripple & Noise	0 ~ +65°C	mV	120	120	120	150	150	150	350
		(*) -10 ~ 0°C	mV	180	180	180	200	200	200	400
12	Maximum Line Regulation	(*) mV	20	20	20	48	60	96	192	
13	Maximum Load Regulation	(*) mV	30	30	30	72	90	144	288	
14	Temperature Coefficient	-	Less than 0.02%/°C							
15	Over Current Protection	(*) A	63.0~	63.0~	63.0~	28.4~	23.1~	14.7~	6.82~	
16	Over Voltage Protection	(*) V	2.50-3.00	4.12-4.95	6.25-7.25	15.0-17.4	18.7-21.8	30.0-34.8	55.2-64.8	
17	Hold-up Time (Typ.)	(*) -	20ms							
18	Leakage Current	(*) -	0.75mA MAX, 0.2mA (Typ.) at 100VAC / 0.44mA (Typ.) at 230VAC.							
19	Remote Sensing	-	Possible							
20	Remote ON/OFF control	-	Possible							
21	Monitoring Signal	-	PF (Open Collector Output)							
22	Parallel Operation	-	Possible							
23	Series Operation	-	Possible							
24	Operating Temperature	(*) -	-10 ~+65°C (-10 ~+50°C:100%, +60°C:70%, +65°C:55%)							
25	Operating Humidity	-	10 ~ 90%Rh (No dewdrop)							
26	Storage Temperature	-	-30 ~ +85°C							
27	Storage Humidity	-	10 ~ 95%Rh (No dewdrop)							
28	Cooling	-	Forced Air By Blower Fan							
29	Withstand Voltage	-	Input - FG:2kVAC(20mA), Input - Output:3kVAC (20mA) Output - FG:500VAC(100mA), Output-CNT:100VAC(100mA) for 1min.							
30	Isolation Resistance	-	More than 100Mohm Output - FG...500VDC More than 10Mohm Output - CNT... 100VDC at 25°C and 70%Rh							
31	Vibration	-	At no operating, 10~55Hz (Sweep for 1min.) 19.6m/s ² Constant, X,Y,Z 1hour each.							
32	Shock (In package)	-	Less than 196.1m/s ²							
33	Safety	(*) -	Approved by UL1950, CSA950, EN60950,VDE0160. Built to meet DENTORI.							
34	Conducted Emission	-	Built to meet EN55011/EN55022-B, FCC-ClassB, VCCI-ClassB.							
35	Radiated Emission	-	Built to meet EN55011/EN55022-B, FCC-ClassB, VCCI-ClassB.							
36	Weight(Typ.)	g	1900							
37	Size (WxHxD)	mm	120 x 92 x 190 (Refer to Outline Drawing)							

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

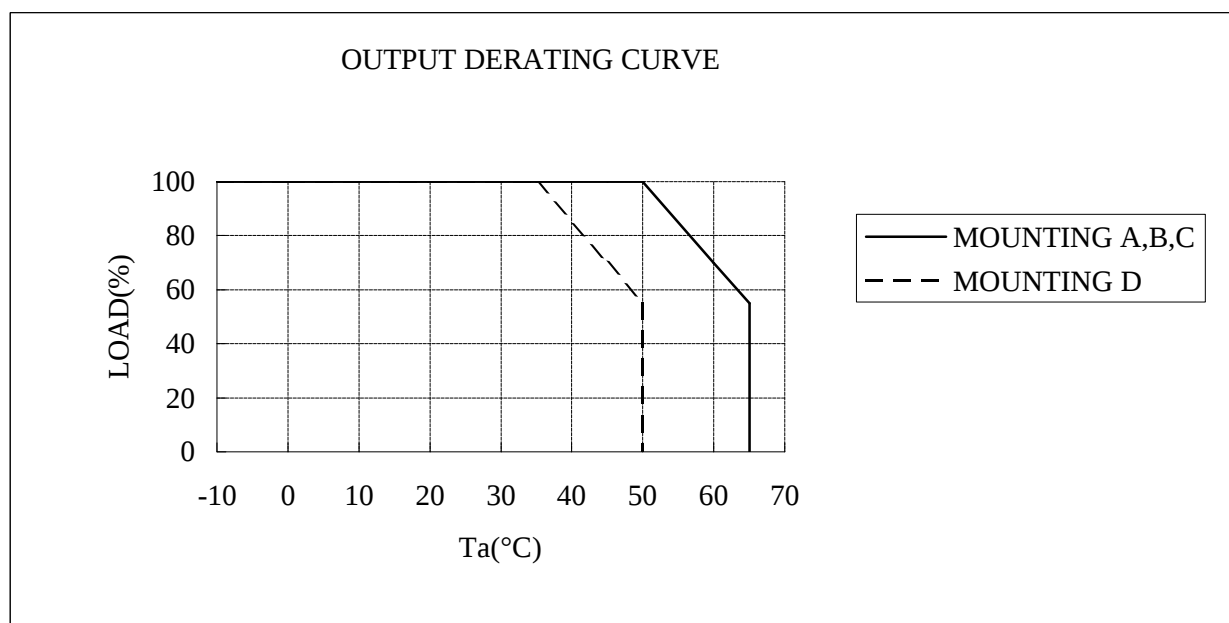
=NOTES=

- *1. At 100/200VAC, Ta=25°C and maximum output power.
- *2. For cases where conformance to various safety specs (UL, CSA, EN) are required, input voltage range will be 100-240VAC(50/60Hz).
- *3. Not applicable for the in-rush current to Noise Filter less than 0.2ms.
- *4. Measure with EIAJ RC-9131 probe, Bandwidth of scope :100MHz.
- *5. 85 ~ 265VAC , constant load.
- *6. No load-Full load, constant input voltage.
- *7. Constant current limit with automatic recovery.
- *8. OVP circuit will shut down output, manual reset (Line recycle).
- *9. At 100/200VAC nominal output voltage and maximum output current.
- *10. Measured by the each measuring method of UL,CSA,EN and DENTORI(at 60Hz),Ta=25°C.
- *11. Ratings - Derating at standard mounting.
 - Load (%) is percent of maximum output power or maximum output current, whichever is greater.
 - As for other mountings, refer to derating curve (A161-01-02).
- *12. As for DENTORI, built to meet at 100VAC.

OUTPUT DERATING

A161-01-02

Ta(°C)	LOAD(%)			
	MOUNTING A	MOUNTING B	MOUNTING C	MOUNTING D
-10 ~+35	100	100	100	100
45	100	100	100	70
50	100	100	100	55
60	70	70	70	-
65	55	55	55	-



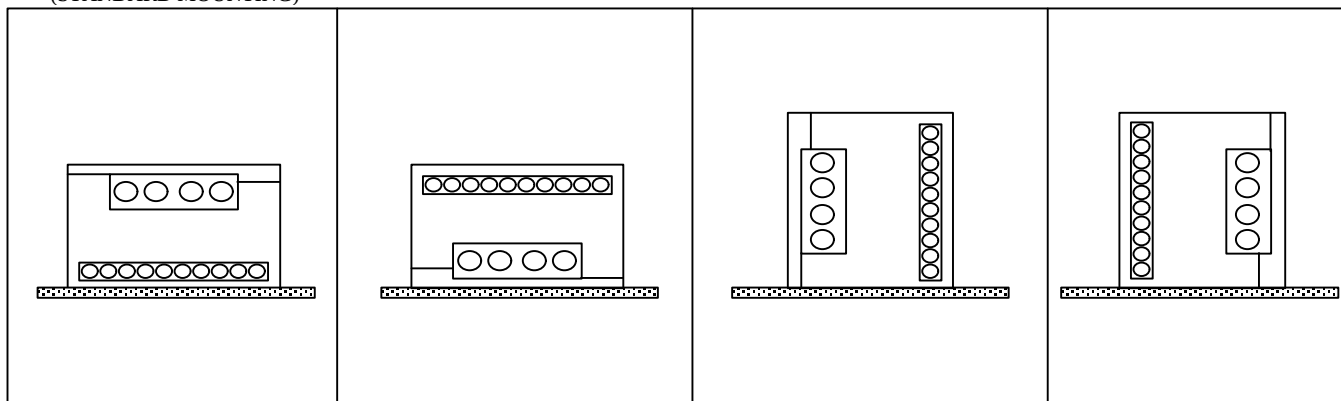
MOUNTING A

(STANDARD MOUNTING)

MOUNTING B

MOUNTING C

MOUNTING D



JWS 300**SPECIFICATIONS**

A161-01-03A

MODEL			JWS300	JWS300
ITEMS			-6	-9
1	Nominal Output Voltage	V	6	9
2	Maximum Output Current	A	50	34
3	Maximum Output Power	W	300	306
4	Efficiency (Typ.)	(*)1 %	74	76
5	Input Voltage Range	(*)2 -	85 ~ 265VAC (47 ~ 63Hz) or 120 ~ 330VDC	
6	Input Current (100/200VAC)(Typ.)	(*)1 A	4.4/2.2A	
7	Inrush Current(Typ.)	(*)3 -	20A at 100VAC, 40A at 200VAC	
8	PFHC	-	Built to meet EN61000-3-2	
9	Power Factor (100/200VAC)(Typ.)	(*)1 -	0.99/0.95	
10	Output Voltage Range	V	5.4 ~ 7.2	8.10 ~ 10.8
11	Maximum Ripple & Noise	0 ~ +65°C	150	150
		(*)4 -10 ~ 0°C	200	200
12	Maximum Line Regulation	(*)5 mV	24	36
13	Maximum Load Regulation	(*)6 mV	36	54
14	Temperature Coefficient	-	Less than 0.02%/°C	
15	Over Current Protection	(*)7 A	52.5 ~	35.7 ~
16	Over Voltage Protection	(*)8 V	7.5 ~ 8.7	11.25 ~ 13.05
17	Hold-up Time (Typ.)	(*)9 -	20ms	
18	Leakage Current	(*)10 -	0.75mA MAX, 0.2mA (Typ.) at 100VAC / 0.44mA (Typ.) at 230VAC.	
19	Remote Sensing	-	Possible	
20	Remote ON/OFF control	-	Possible	
21	Monitoring Signal	-	PF (Open Collector Output)	
22	Parallel Operation	-	Possible	
23	Series Operation	-	Possible	
24	Operating Temperature	(*)11 -	-10 ~+65°C (-10 ~+50°C:100%, +60°C:70%, +65°C:55%)	
25	Operating Humidity	-	10 ~ 90%RH (No dewdrop)	
26	Storage Temperature	-	-30 ~ +85°C	
27	Storage Humidity	-	10 ~ 95%RH (No dewdrop)	
28	Cooling	-	Forced Air By Blower Fan	
29	Withstand Voltage	-	Input - FG:2kVAC(20mA), Input - Output:3kVAC (20mA) Output - FG:500VAC(100mA), Output-CNT:100VAC(100mA) for 1min.	
30	Isolation Resistance	-	More than 100MΩ Output - FG ... 500VDC More than 10MΩ Output - CNT ... 100VDC at 25°C and 70%RH	
31	Vibration	-	At no operating, 10 ~ 55Hz (Sweep for 1min.) 19.6m/s ² Constant, X,Y,Z 1h each.	
32	Shock (In package)	-	Less than 196.1m/s ²	
33	Safety	(*)12 -	Approved by UL1950, CSA950, EN60950, VDE0160. Built to meet DENTORI.	
34	Conducted Emission	-	Built to meet EN55011/EN55022-B, FCC-ClassB, VCCI-ClassB.	
35	Radiated Emission	-	Built to meet EN55011/EN55022-B, FCC-ClassB, VCCI-ClassB.	
36	Weight(Typ.)	g	1900	
37	Size (W x H x D)	mm	120 x 92 x 190 (Refer to Outline Drawing)	

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