

## JWS 600

## SPECIFICATIONS

A162-01-01C

ITEMS		MODEL	JWS600 -2	JWS600 -3	JWS600 -5	JWS600 -12	JWS600 -15	JWS600 -24	JWS600 -48	
1	Nominal Output Voltage	V	2	3.3	5	12	15	24	48	
2	Maximum Output Current	A	120	120	120	53	43	27	13	
3	Maximum Output Power	W	240	396	600	636	645	648	624	
4	Efficiency (Typ) (*1)	%	61	70	75	80	81	82	83	
5	Input Voltage Range (*2)	-	85 - 265VAC (47-63Hz) or 120 - 330VDC							
6	Input Current (100/200VAC)(Typ) (*1)	A	4.0/2.0	5.8/2.9	8.2/4.1					
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	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 (*4)	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 (*5)	mV	20	20	20	48	60	96	192	
13	Maximum Load Regulation (*6)	mV	30	30	30	72	90	144	288	
14	Temperature Coefficient	-	Less than 0.02%/°C							
15	Over Current Protection (*7)	A	126~	126~	126~	55.6 ~	45.2 ~	28.4 ~	13.7 ~	
16	Over Voltage Protection (*8)	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) (*9)	-	20ms							
18	Leakage Current (*10)	-	0.75mA MAX, 0.25mA(Typ) at 100VAC / 0.57mA(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 ( -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 <sup>2</sup> Constant, X,Y,Z 1h each.							
32	Shock (In package)	-	Less than 196.1m/s <sup>2</sup>							
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	3000							
37	Size (WxHxD)	mm	160 x 92 x 200 ( Refer to Outline Drawing )							

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

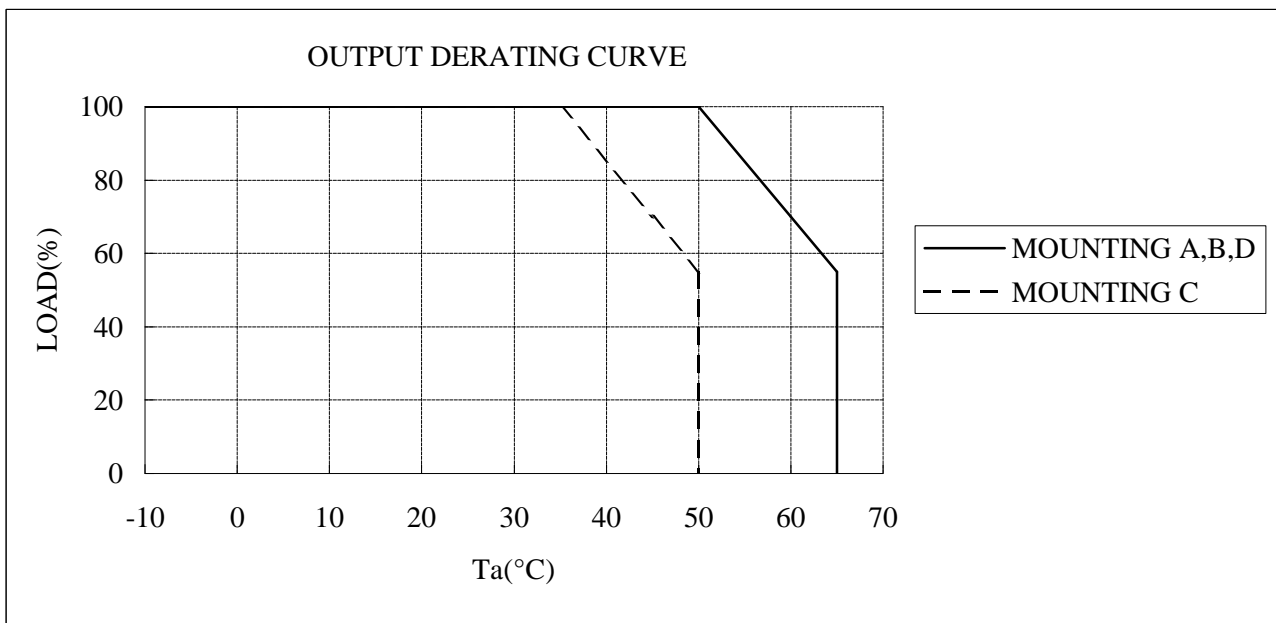
=NOTES=

- \*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. First in-rush current. 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 ( A162-01-02\_ ).
- \*12. As for DENTORI, built to meet at 100VAC.

**OUTPUT DERATING**

A162-01-02

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



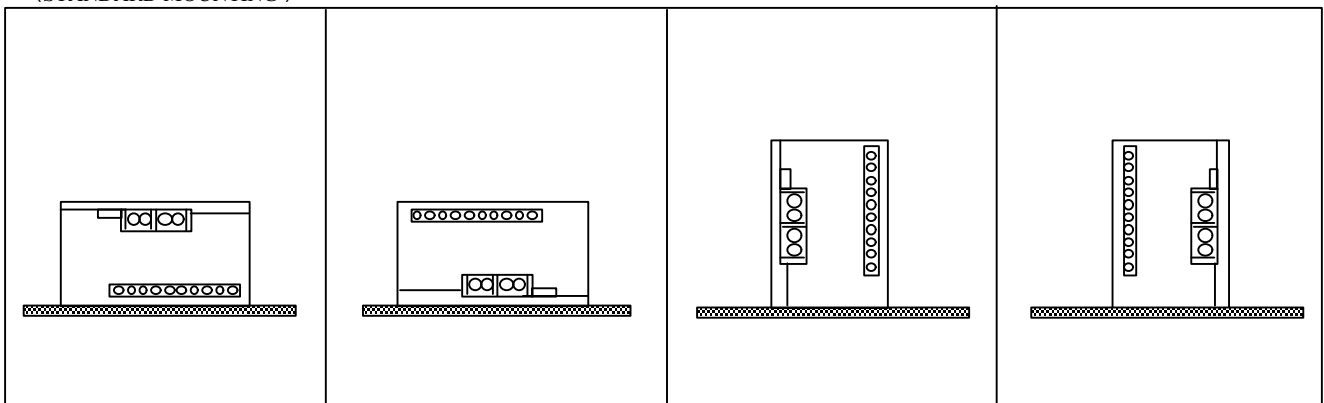
**MOUNTING A**

(STANDARD MOUNTING )

**MOUNTING B**

**MOUNTING C**

**MOUNTING D**



**JWS 600****SPECIFICATIONS**

A162-01-03B

ITEMS		MODEL	JWS600	JWS600	JWS600	JWS600	
			-6	-8	-9	-28	
1	Nominal Output Voltage	V	6	8	9	28	
2	Maximum Output Current	A	100	68	68	23	
3	Maximum Output Power	W	600	544	612	644	
4	Efficiency (Typ) (*1)	%	75	77	77	82	
5	Input Voltage Range (*2)	-	85 ~ 265VAC (47 ~ 63Hz) or 120 ~ 330VDC				
6	Input Current (100/200VAC)(Typ) (*1)	A	8.2/4.1				
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	5.40 ~ 7.20	7.20 ~ 9.60	8.10 ~ 10.8	25.2 ~ 33.6	
11	Maximum Ripple & Noise (*4)	0 ~ +65°C	mV	120	150	150	150
		-10 ~ 0°C	mV	180	200	200	200
12	Maximum Line Regulation (*5)	mV	24	32	36	112	
13	Maximum Load Regulation (*6)	mV	36	48	54	168	
14	Temperature Coefficient	-	Less than 0.02%/°C				
15	Over Current Protection (*7)	A	105~	71.4~	71.4~	24.2~	
16	Over Voltage Protection (*8)	V	7.50 ~ 8.70	10.0 ~ 11.6	11.2 ~ 13.1	35.0 ~ 40.6	
17	Hold-up Time (Typ) (*9)	-	20ms				
18	Leakage Current (*10)	-	0.75mA MAX, 0.25mA(Typ) at 100VAC / 0.57mA(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				
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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.				
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36	Weight(Typ.)	g	3000				
37	Size (W x H x D)	mm	160 x 92 x 200 ( Refer to Outline Drawing )				

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