

JWS 600**SPECIFICATIONS**

A162-01-01C

MODEL			JWS600	JWS600	JWS600	JWS600	JWS600	JWS600	JWS600	
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	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 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	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=

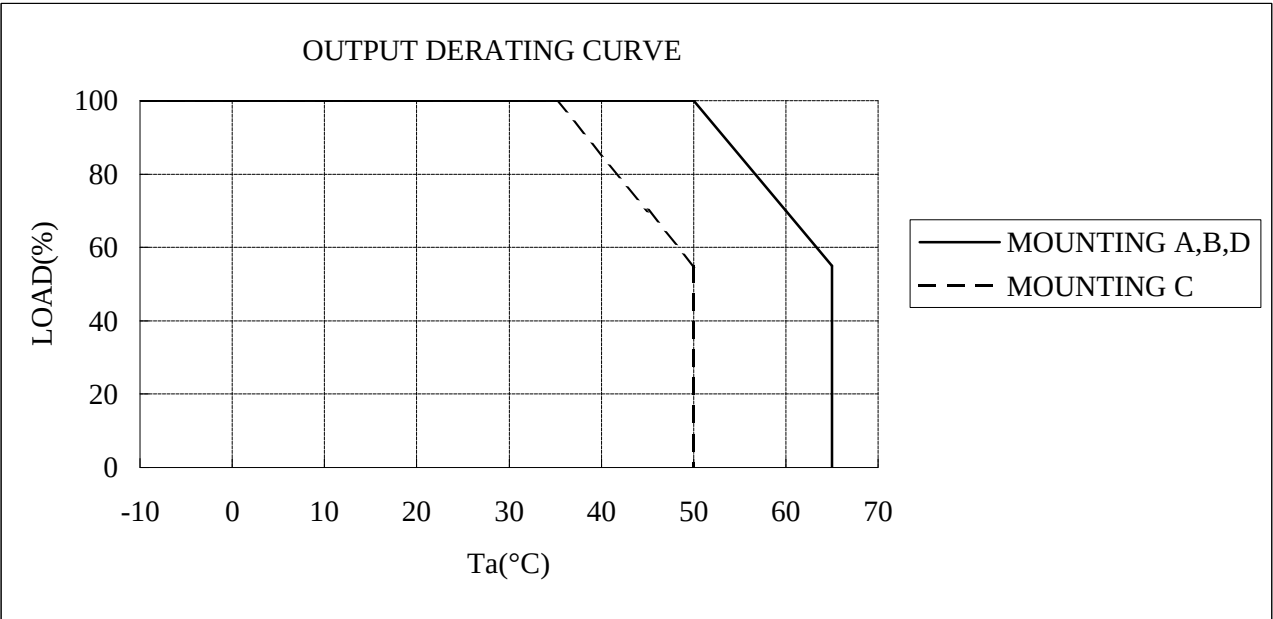
- *1. At 100/200VAC, Ta=25°C and maximum output power.
- *2. For cases where conformance to various safety specs (UL, CSA, EN) are required, input voltage range will be 100-240VAC(50/60Hz).
- *3. First in-rush current. Not applicable for the in-rush current to Noise Filter less than 0.2ms.
- *4. Measure 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.

JWS 600

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



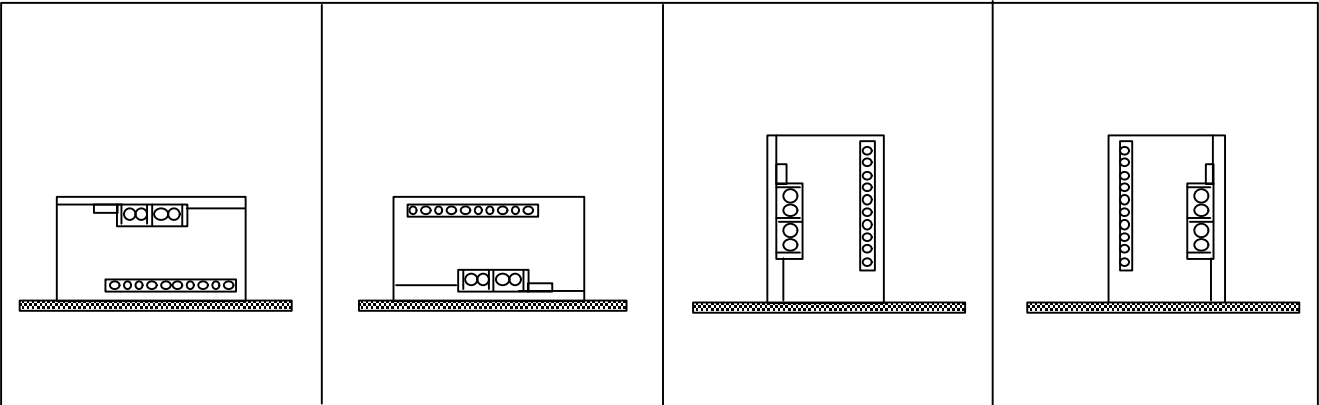
MOUNTING A

(STANDARD MOUNTING)

MOUNTING B

MOUNTING C

MOUNTING D



JWS 600**SPECIFICATIONS**

A162-01-03B

MODEL			JWS600	JWS600	JWS600	JWS600
ITEMS			-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
		-10 ~ 0°C	mV	180	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			
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 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	3000			
37	Size (W x H x D)	mm	160 x 92 x 200 (Refer to Outline Drawing)			

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- *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.
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 - As for other mountings, refer to derating curve (A162-01-02_).
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