

JWS600/508

SPECIFICATIONS

A162-01-01/508-B

ITEMS		MODEL	JWS600-24/508
1	Nominal Output Voltage	-	24V
2	Maximum Output Current	-	27A
3	Maximum Output Power	-	648W
4	Efficiency (Typ) (*1)	-	82%
5	Input Voltage Range (*2)	-	85 - 265VAC (47 - 63Hz) or 120 - 330VDC
6	Input Current (100/200VAC)(Typ) (*1)	-	8.2A/4.1A
7	Inrush Current(Typ) (*3)	-	20A at 100VAC, 40A at 200VAC
8	PFHC	-	Designed to meet EN61000-3-2
9	Power Factor (100/200VAC)(Typ) (*1)	-	0.99/0.95
10	Output Voltage Range	-	21.6V-28.8V
11	Maximum Ripple & Noise (*4)	0 - +65°C	150mV
		-10 - 0°C	200mV
12	Maximum Line Regulation (*5)	-	96mV
13	Maximum Load Regulation (*6)	-	144mV
14	Temperature Coefficient	-	Less than 0.02%/°C
15	Over Current Protection (*7)	-	28.4A -
16	Over Voltage Protection (*8)	-	30.0V-34.8V
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 UL508, CSA C22.2 No.14, UL60950-1, CSA C22.2 No.60950 & EN60950-1. Designed to meet DENAN.
34	Conducted Emission	-	Designed to meet EN55011/EN55022-B, FCC-ClassB, VCCI-ClassB.
35	Radiated Emission	-	Designed to meet EN55011/EN55022-B, FCC-ClassB, VCCI-ClassB.
36	Weight(Typ.)	-	3000g
37	Size (W x H x D)	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 JEITA 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 DENAN(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 DENAN, designed to meet at 100VAC.

SPECIFICATIONS

A162-01-03/508-A

MODEL			JWS600-12/508	JWS600-15/508
ITEMS				
1	Nominal Output Voltage	V	12	15
2	Maximum Output Current	A	53	43
3	Maximum Output Power	W	636	645
4	Efficiency (Typ) (*1)	%	80	81
5	Input Voltage Range (*2)	-	85 - 265VAC (47 - 63Hz) or 120 - 330VDC	
6	Input Current (100/200VAC)(Typ) (*1)	-	8.2A/4.1A	
7	Inrush Current(Typ) (*3)	-	20A at 100VAC, 40A at 200VAC	
8	PFHC	-	Designed to meet EN61000-3-2	
9	Power Factor (100/200VAC)(Typ) (*1)	-	0.99/0.95	
10	Output Voltage Range	V	10.8 - 14.4	13.5 - 18.0
11	Maximum Ripple & Noise (*4)	0 - +65°C	150	150
		-10 - 0°C	200	200
12	Maximum Line Regulation (*5)	mV	48	60
13	Maximum Load Regulation (*6)	mV	72	90
14	Temperature Coefficient	-	Less than 0.02%/°C	
15	Over Current Protection (*7)	A	55.6 -	45.2 -
16	Over Voltage Protection (*8)	V	15.0 - 17.4	18.7 - 21.8
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.	
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