

JWS300/508

SPECIFICATIONS

A161-01-01/508-A

ITEMS		MODEL	JWS300-24/508
1	Nominal Output Voltage	-	24V
2	Maximum Output Current	-	14A
3	Maximum Output Power	-	336W
4	Efficiency (Typ.)	(*1)	80%
5	Input Voltage Range	(*2)	85 ~ 265VAC (47~63Hz) or 120 ~ 330VDC
6	Input Current (100/200VAC)(Typ.)	(*1)	4.4A/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	-	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)	14.7A~
16	Over Voltage Protection	(*8)	30.0V~34.8V
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 1hour each.
32	Shock (In package)	-	Less than 196.1m/s ²
33	Safety	(*12)	Approved by UL508,CSA C22.2 No.14,UL1950,CSA950,EN60950,VDE0160. Built to meet DENAN.
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.)	-	1900g
37	Size (W x H x D)	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 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 (A161-01-02_).
- *12. As for DENAN, built to meet at 100VAC.

JWS300/508

SPECIFICATIONS

A161-01-03/508

ITEMS		MODEL	JWS300-12/508
1	Nominal Output Voltage	-	12V
2	Maximum Output Current	-	27A
3	Maximum Output Power	-	324W
4	Efficiency (Typ.) (*1)	-	76%
5	Input Voltage Range (*2)	-	85 ~ 265VAC (47~63Hz) or 120 ~ 330VDC
6	Input Current (100/200VAC)(Typ.) (*1)	-	4.4A/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	-	10.8V~14.4V
11	Maximum Ripple & Noise (*4)	0 ~ +65°C	150mV
		-10 ~ 0°C	200mV
12	Maximum Line Regulation (*5)	-	48mV
13	Maximum Load Regulation (*6)	-	72mV
14	Temperature Coefficient	-	Less than 0.02%/°C
15	Over Current Protection (*7)	-	28.4A~
16	Over Voltage Protection (*8)	-	15.0V~17.4V
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 1hour each.
32	Shock (In package)	-	Less than 196.1m/s ²
33	Safety (*12)	-	Approved by UL508,CSA C22.2 No.14,UL1950,CSA950,EN60950,VDE0160 Built to meet DENAN.
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.)	-	1900g
37	Size (W x H x D)	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 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 (A161-01-02_).
- *12. As for DENAN, built to meet at 100VAC.