

**JWS50/508**

## SPECIFICATIONS

A157-01-01/508-A

ITEMS		MODEL	JWS50-24/508
1	Nominal Output Voltage	-	24V
2	Maximum Output Current	-	2.2A
3	Maximum Output Power	-	52.8W
4	Efficiency (Typ) (*1)	-	79%
5	Input Voltage Range (*2)	-	85 - 265VAC (47-63Hz) or 120 - 330VDC
6	Input Current (100/200VAC)(Typ) (*1)	-	0.8A/0.4A
7	Inrush Current(Typ)	-	14A at 100VAC, 28A at 200VAC, Ta=25°C, Cold Start
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 - 26.4V
11	Maximum Ripple & Noise (*3)	0 ~ +55°C	150mV
		-10 ~ 0°C	180mV
12	Maximum Line Regulation (*4)	-	96mV
13	Maximum Load Regulation (*5)	-	150mV
14	Temperature Coefficient	-	Less than 0.02%/°C
15	Over Current Protection (*6)	-	2.3A ~
16	Over Voltage Protection (*7)	-	27.6V - 32.4V
17	Hold-up Time (Typ) (*8)	-	20ms
18	Leakage Current (*9)	-	0.75mA MAX, 0.2mA(Typ) at 100VAC / 0.44mA(Typ) at 230VAC
19	Remote Sensing	-	-
20	Parallel Operation	-	-
21	Series Operation	-	Possible
22	Operating Temperature (*10)	-	-10 ~+55°C ( -10 ~+45°C:100%,+55°C:60%)
23	Operating Humidity	-	30 ~ 90%RH (No dewdrop)
24	Storage Temperature	-	-30 ~ +85°C
25	Storage Humidity	-	10 ~ 95%RH (No dewdrop)
26	Cooling	-	Convection Cooling
27	Withstand Voltage	-	Input - FG : 2kVAC (20mA), Input - Output : 3kVAC (20mA) Output - FG : 500VAC (100mA) for 1min
28	Isolation Resistance	-	More than 100MΩ at 25°C and 70%RH Output - FG...500VDC
29	Vibration	-	At no operating, 10-55Hz (Sweep for 1min) 19.6m/s <sup>2</sup> Constant, X,Y,Z 1h each.
30	Shock (In package)	-	Less than 196.1m/s <sup>2</sup>
31	Safety (*11)	-	Approved by UL508,CSA C22.2 No.14,UL1950,CSA950,EN60950,VDE0160. Built to meet DENAN.
32	Conducted Emission	-	Built to meet EN55011/EN55022-B, FCC-ClassB, VCCI-B.
33	Radiated Emission	-	Built to meet EN55011/EN55022-B, FCC-ClassB, VCCI-B.
34	Weight(Typ)	-	400g
35	Size (WxHxD)	mm	37 x 85 x 159 ( 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. Measure with JEITA RC-9131 probe, Bandwise of scope :100MHz.
- \*4. 85 - 265VAC , constant load.
- \*5. No load-Full load, constant input voltage.
- \*6. Constant current limit with automatic recovery.
- \*7. OVP circuit will shut down output, manual reset (Line recycle).
- \*8. At 100/200VAC nominal output voltage and maximum output current.
- \*9. Measured by the each measuring method of UL,CSA,EN and DENAN(at 60Hz).
- \*10. 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 (A157-01-02/A\_).
- \*11. As for DENAN, built to meet at 100VAC.