

JWS240P/508

SPECIFICATIONS

A182-01-01/508-B

ITEMS		MODEL	JWS240P-24/508
1	Nominal Output Voltage	-	24V
2	Average Output Current	-	10A
3	Peak Output Current	(*1)	20A
4	Average Output Power	-	240W
5	Peak Output Power	(*1)	480W
6	Efficiency (Typ)	(*2)	80%
7	Input Voltage Range	(*3)	85 - 265VAC (47 - 63Hz)
8	Input Current (100/200VAC)(Typ)	(*2)	3.2A/1.6A
9	Inrush Current(Typ)	(*4)	20A at 100VAC, 40A at 200VAC
10	PFHC	-	Designed to meet EN61000-3-2
11	Power Factor (100/200VAC)(Typ)	(*2)	0.99/0.95
12	Output Voltage Range	-	21.6V - 28.8V
13	Maximum Ripple & Noise (*5)	0 - +65°C	240mV
		-10 - 0°C	360mV
14	Maximum Line Regulation	(*6)	96mV
15	Maximum Load Regulation	(*7)	192mV
16	Temperature Coefficient	-	Less than 0.02%/°C
17	Over Current Protection	(*8)	20.4A -
18	Over Voltage Protection	(*9)	30.0V - 34.8V
19	Hold-up Time (Typ)	(*10)	20ms
20	Leakage Current	(*11)	0.75mA MAX, 0.2mA(Typ) at 100VAC / 0.44mA(Typ) at 230VAC
21	Remote Sensing	-	Possible
22	Remote ON/OFF control	-	Possible
23	Monitoring Signal	-	PF (Open Collector Output)
24	Parallel Operation	-	---
25	Series Operation	-	Possible
26	Operating Temperature	(*12)	-10 - +65°C (-10 - +50°C:100%, +60°C:70%,+65°C:55%)
27	Operating Humidity	-	30 - 90%RH (No dewdrop)
28	Storage Temperature	-	-30 - +85°C
29	Storage Humidity	-	10 - 95%RH (No dewdrop)
30	Cooling	-	Forced Air By Blower Fan
31	Withstand Voltage	-	Input - FG:2kVAC(20mA), Input - Output:3kVAC (20mA) Output - FG:500VAC(100mA), Output-CNT:100VAC(100mA) for 1min.
32	Isolation Resistance	-	More than 100MΩ Output - FG ... 500VDC More than 10MΩ Output - CNT ... 100VDC at 25°C and 70%RH
33	Vibration	-	At no operating, 10 - 55Hz (Sweep for 1min) 19.6 m/s ² Constant, X, Y, Z 1h each.
34	Shock (In package)	-	Less than 196.1m/s ²
35	Safety	(*13)	Approved by UL508, CSA C22.2 No.14, UL60950-1, CSA C22.2 No.60950 & EN60950-1. Designed to meet DENAN.
36	Conducted Emission	-	Designed to meet EN55011/EN55022-A, FCC-ClassA, VCCI-A.
37	Radiated Emission	-	Designed to meet EN55011/EN55022-A, FCC-ClassA, VCCI-A.
38	Weight (Typ.)	-	1900g
39	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. Operating time at peak output is less than 10sec.(Duty<=0.5)
- *2. At 100/200VAC, Ta=25°C and average output power.
- *3. For cases where conformance to various safety specifications (UL, CSA, EN) are required, input voltage range will be 100 - 240VAC(50/60Hz).
- *4. First in-rush current. Not applicable for the in-rush current to Noise Filter less than 0.2ms.
- *5. Measure with JEITA RC-9131 probe, Bandwidth of scope :100MHz.
- *6. 85 - 265VAC , constant load.
- *7. No load - Average load, constant input voltage.
- *8. Constant current limit with automatic recovery.
Peak current conditions more than 10 seconds, which will shut down output, manual reset(Line recycle).
- *9. OVP circuit will shut down output, manual reset (Line recycle).
- *10. At 100/200VAC nominal output voltage and average output current.
- *11. Measured by the each measuring method of UL, CSA, EN and DENAN(at 60Hz).
- *12. Ratings - Derating at standard mounting.
- Load (%) is percent of average output power or average output current, whichever is greater.
- As for other mountings, refer to derating curve (A182-01-02_).
- *13. As for DENAN, designed to meet at 100VAC.