

JWS120P/508

SPECIFICATIONS

A181-01-01/508-A

ITEMS		MODEL	JWS120P-24/508
1	Nominal Output Voltage	-	24V
2	Average Output Current	-	5A
3	Peak Output Current	(*1)	10A
4	Average Output Power	-	120W
5	Peak Output Power	(*1)	240W
6	Efficiency (Typ)	(*2)	80%
7	Input Voltage Range	(*3)	85 ~ 265VAC (47 ~ 63Hz)
8	Input Current (100/200VAC)(Typ) (*2)	-	1.6/0.8A
9	Inrush Current(Typ)	-	25A at 100VAC, 50A at 200VAC, Ta=25°C, Cold Start
10	PFHC	-	Built to meet EN61000-3-2
11	Power Factor (100/200VAC)(Typ) (*2)	-	0.98/0.92
12	Output Voltage Range	-	21.6V ~ 26.4V
13	Maximum Ripple & Noise (*4)	0 ~ +60°C	240mV
		-10 ~ 0°C	360mV
14	Maximum Line Regulation	(*5)	96mV
15	Maximum Load Regulation	(*6)	192mV
16	Temperature Coefficient	-	Less than 0.02%/°C
17	Over Current Protection	(*7)	10.2A ~
18	Over Voltage Protection	(*8)	27.6V ~ 32.4V
19	Hold-up Time (Typ)	(*9)	20ms
20	Leakage Current	(*10)	0.75mA MAX, 0.2mA(Typ) at 100VAC / 0.44mA(Typ) at 230VAC
21	Thermal protection	(*11)	Built-in
22	Remote Sensing	-	Possible
23	Parallel Operation	-	-
24	Series Operation	-	Possible
25	Operating Temperature	(*12)	-10 ~ +60°C (-10 ~ +50°C:100%, +60°C:60%)
26	Operating Humidity	-	30 ~ 90%RH (No dewdrop)
27	Storage Temperature	-	-30 ~ +85°C
28	Storage Humidity	-	10 ~ 95%RH (No dewdrop)
29	Cooling	-	Convection Cooling
30	Withstand Voltage	-	Input - FG : 2kVAC (20mA), Input - Output : 3kVAC (20mA) Output - FG : 500VAC (100mA) for 1min
31	Isolation Resistance	-	More than 100MΩ at 25°C and 70%RH Output - FG ... 500VDC
32	Vibration	-	At no operating, 10 ~ 55Hz (Sweep for 1min) 19.6 m/s ² Constant, X, Y, Z 1hour each.
33	Shock (In package)	-	Less than 196.1 m/s ²
34	Safety	(*13)	Approved by UL508,CSA C22.2 No.14,UL1950,CSA950,EN60950,VDE0160. Built to meet DENAN.
35	Conducted Emission	-	Built to meet EN55011/EN55022-A, FCC-ClassA, VCCI-A.
36	Radiated Emission	-	Built to meet EN55011/EN55022-A, FCC-ClassA, VCCI-A.
37	Weight (Typ.)	-	900g
38	Size (W x H x D)	mm	65 x 92 x 198 (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. Measure with JEITA RC-9131 probe, Bandwidth of scope :100MHz.
- *5. 85 ~ 265VAC , constant load.
- *6. No load - Average 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 average output current.
- *10. Measured by the each measuring method of UL, CSA, EN and DENAN(at 60Hz).
- *11. Power Supply will recover in case of lower the temperature.
- *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 (A181-01-02_).
- *13. As for DENAN, built to meet at 100VAC.