

JWS 120P

SPECIFICATIONS

A181-01-01 B

ITEMS		MODEL	JWS120P-24	JWS120P-48
1	Nominal Output Voltage	V	24	48
2	Average Output Current	A	5	2.5
3	Peak Output Current (*1)	A	10	5
4	Average Output Power	W	120	120
5	Peak Output Power (*1)	W	240	240
6	Efficiency (Typ)	(%2)	80	80
7	Input Voltage Range	(%3)	85 ~ 265VAC (47 ~ 63Hz)	
8	Input Current (100/200VAC)(Typ) (*2)	A	1.6/0.8	
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	V	21.6 ~ 26.4	43.2 ~ 52.8
13	Maximum Ripple & Noise (*4)	0 ~ +60°C	240	480
		-10 ~ 0°C	360	720
14	Maximum Line Regulation (*5)	mV	96	192
15	Maximum Load Regulation (*6)	mV	192	384
16	Temperature Coefficient	-	Less than 0.02%/°C	
17	Over Current Protection (*7)	A	10.2 ~	5.1 ~
18	Over Voltage Protection (*8)	V	27.6 ~ 32.4	55.2 ~ 64.8
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 UL1950, CSA950, EN60950, VDE0160. Built to meet DENTORI.	
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.)	g	900	
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 EIAJ 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 DENTORI(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 DENTORI, built to meet at 100VAC.

OUTPUT DERATING

A181-01-02

Ta(°C)	AVERAGE LOAD(%)		
	MOUNTING A	MOUNTING B	MOUNTING C
-10 ~+40	100	100	100
45	100	80	80
50	100	60	60
55	80	-	-
60	60	-	-

