

**JWS 120P**

SPECIFICATIONS

A181-01-01D

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	-	Designed 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 ≤ Ta ≤ +60°C	mV	240	480
		-10 ≤ Ta < 0°C	mV	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 to +60°C ( -10 to +50°C:100%, +60°C:60%)		
26	Operating Humidity	-	30 to 90%RH (No dewdrop)		
27	Storage Temperature	-	-30 to +85°C		
28	Storage Humidity	-	10 to 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 <sup>2</sup> Constant, X, Y, Z 1h each.		
33	Shock (In package)	-	Less than 196.1 m/s <sup>2</sup>		
34	Safety	(*13) -	Approved by UL60950-1, CSA C22.2 No.60950-1 & EN60950-1. Designed to meet DENAN.		
35	Conducted Emission	-	Designed to meet EN55011/EN55022-A, FCC-ClassA, VCCI-A.		
36	Radiated Emission	-	Designed 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=

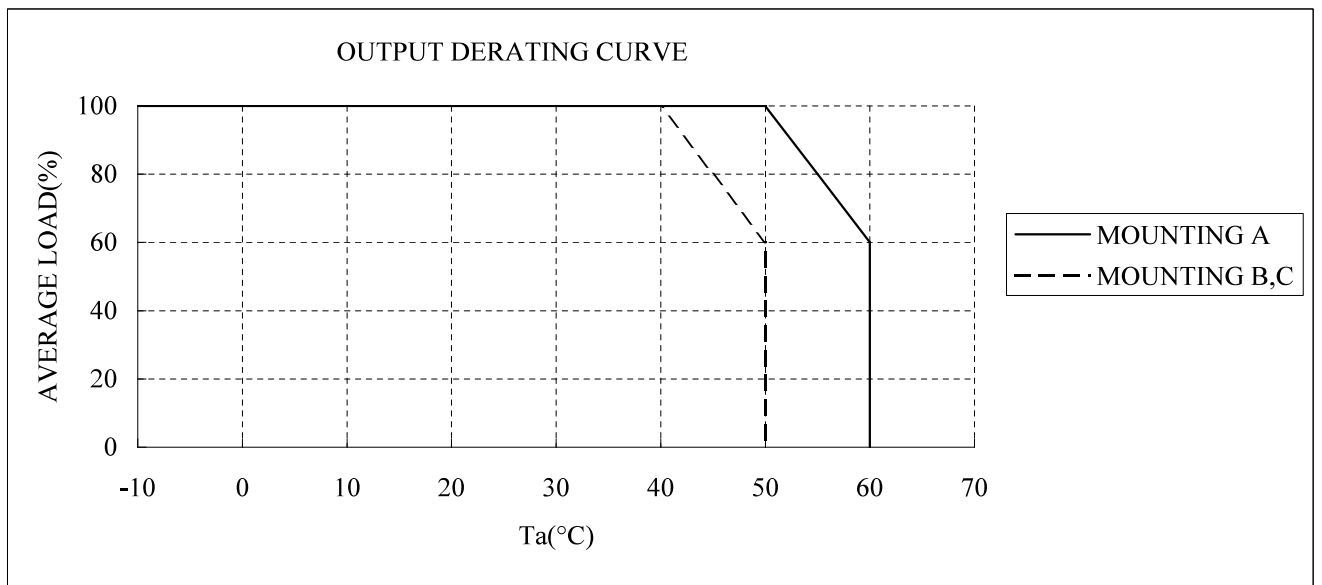
- \*1. Operating time at peak output is less than 10sec.(Duty≤0.5)
- \*2. At 100/200VAC, Ta=25°C and average output power.
- \*3. For cases where conformance to various safety specifications (UL, CSA, EN) are required, input voltage range will be 100 - 240VAC(50/60Hz).
- \*4. Measure with JEITA RC-9131 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, designed to meet at 100VAC.

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**OUTPUT DERATING**

A181-01-02

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



MOUNTING A

MOUNTING B

MOUNTING C

PROHIBIT

PROHIBIT

(STANDARD MOUNTING)

