JWS 150

SPECIFICATIONS

A160-01-01A

	MODEL / ITEMS			JWS150 -3	JWS150 -5	JWS150 -12	JWS150 -15	JWS150 -24	JWS150 -48
1	Nominal Output Voltage		V	3.3	5	12	15	24	48
2	Maximum Output Current		A	30	30	13	10	6.5	3.3
3	Maximum Output Power		W	99	150	156	150	156	158.4
4	Efficiency (Typ) (*1)		%	67	75	77	78	80	80
5	Input Voltage Range (*2)		-	85 ~ 265VAC (47 ~ 63Hz) or 120 ~ 330VDC					
6	Input Current (100/200VAC)(Typ) (*1)		A	1.5/0.75	2.0/1.0				
7	Inrush Current(Typ)		-	25A at 100VAC, 50A 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		V	2.85~3.63	4.5~5.5	10.8~13.2	13.5~16.5	21.6~26.4	43.2~52.8
11	Maximum Ripple & Noise	0 ~ +60°C	mV	120	120	150	150	150	200
	(*3)	-10 ~ 0°C	mV	160	160	180	180	180	240
12	Maximum Line Regulation (*4)		mV	20	20	48	60	96	192
13	Maximum Load Regulation (*5)		mV	40	40	96	120	150	240
14	Temperature Coefficient		-	Less than 0.02%/°C					
15	Over Current Protection (*6)		A	31.5 ~	31.5 ~	13.65 ~	10.5 ~	6.82 ~	3.46 ~
16	Over Voltage Protection (*7)		V	3.79~4.95	5.75~6.75	13.8~16.2	17.3~20.3	27.6~32.4	55.2~64.8
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		-	Possible					
20	Parallel Operation		-	-					
21	Series Operation		-	Possible					
22	Operating Temperature (*10)		-	-10 ~+60°C (-10 ~+50°C:100%, +60°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^2 Constant, X,Y,Z 1hour each.					
30	Shock (In package)		-	Less than 196.1m/s^2					
31	Safety (*11)		-	Approved by UL1950, CSA950, EN60950,VDE0160. Built to meet DENTORI.					
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.)		g	850					
35	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. 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 EIAJ 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 DENTORI(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 (A160-01-02_).

JWS 150

OUTPUT DERATING

A160-01-02

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

OUTPUT DERATING CURVE

MOUNTING A
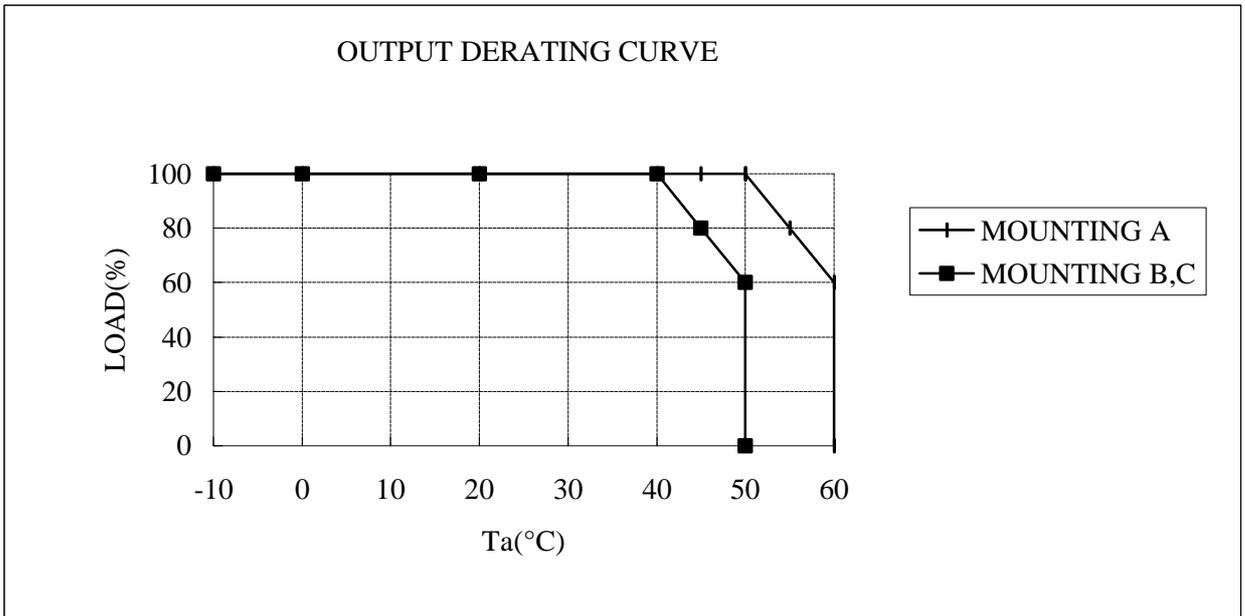
MOUNTING B,C

MOUNTING A	MOUNTING B	MOUNTING C	DON'T USE	DON'T USE
(STANDARD MOUNTING)				
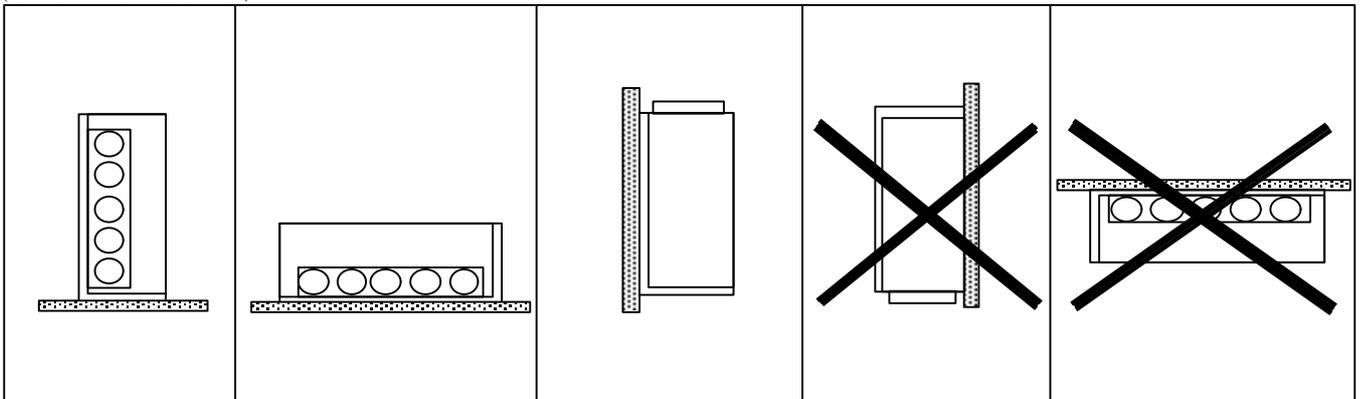
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