JWS100/508

SPECIFICATIONS

A159-01-01/508-C

	ITEMS / MODEL			JWS100-24/508
1	Nominal Output Voltage		-	24V
2	Maximum Output Current		-	4.5A
3	Maximum Output Power		-	108W
4	Efficiency (Typ)	(*1)	-	79%
5	Input Voltage Range	(*2)	-	85 - 265VAC (47-63Hz) or 120 - 330VDC
6	Input Current (100/200VAC)(Typ)	(*1)	-	1.4/0.7A
7	Inrush Current(Typ)		-	14A at 100VAC, 28A at 200VAC, Ta=25°C, Cold Start
8	PFHC		-	Designed to meet EN61000-3-2
9	Power Factor (100/200VAC)(Typ)	(*1)	-	0.99/0.95
10	Output Voltage Range		-	21.6V-26.4V
11	Maximum Ripple & Noise	0 - +55°C	-	150mV
	(*3)	-10 - 0°C	-	180mV
12	Maximum Line Regulation	(*4)	-	96mV
13	Maximum Load Regulation	(*5)	-	150mV
14	Temperature Coefficient		-	Less than 0.02%/°C
15	Over Current Protection	(*6)	-	4.72A -
16	Over Voltage Protection	(*7)	-	27.6V-32.4V
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 - +55°C (-10 - +50°C:100%, +55°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 1h each.
30	Shock (In package)		-	Less than 196.1m/s^2
31	Safety	(*11)	-	Approved UL508, CSA C22.2 No.14, UL60950-1, CSA C22.2 No.60950 & EN60950-1. Designed to meet DENAN.
32	Conducted Emission		-	Designed to meet EN55011/EN55022-B, FCC-ClassB, VCCI-B.
33	Radiated Emission		-	Designed to meet EN55011/EN55022-B, FCC-ClassB, VCCI-B.
34	Weight(Typ)		-	700g
35	Size (W.H.D)		mm	50 x 92 x 188 (Refer to Outline Drawing)

*Read instruction manual carefully, before using the power supply unit.

=NOTES=

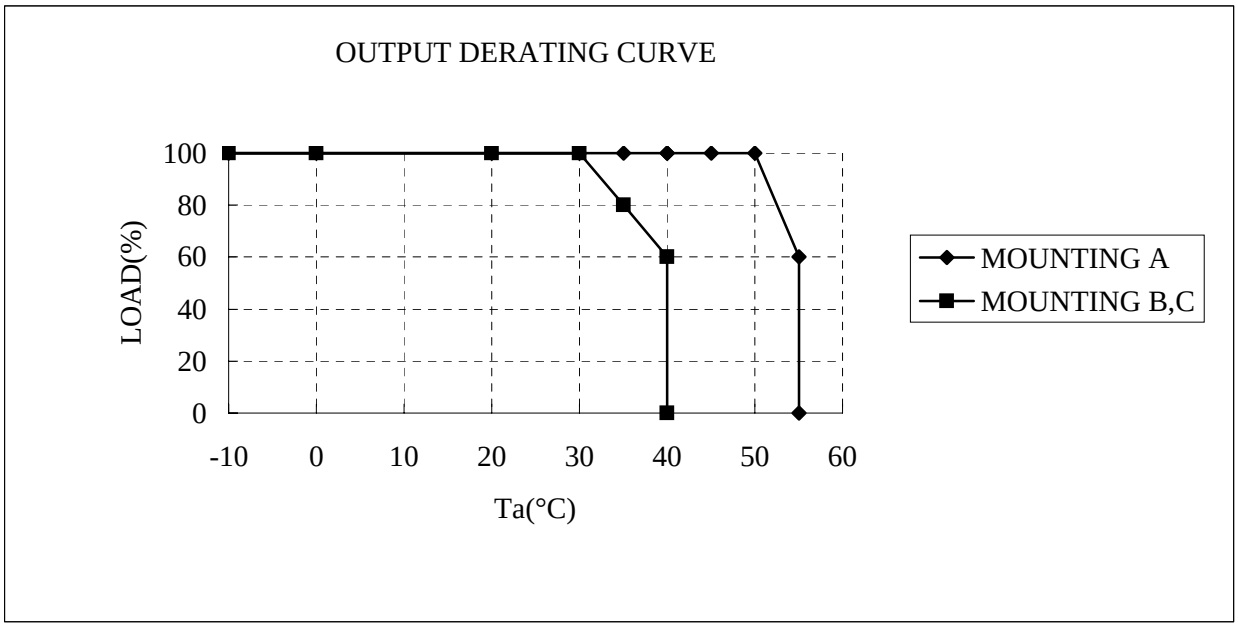
*1. At 100/200VAC, Ta=25°C and maximum output power.
*2. For cases where conformance to various safety specs (UL, CSA, EN) are required, input voltage range will be 100-240VAC(50/60Hz).
*3. Measure with JEITA RC-9131 probe, Bandwise of scope :100MHz.
*4. 85 - 265VAC , constant load.
*5. No load-Full 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 DENAN(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 (A159-01-02/508-_).
*11. As for DENAN, designed to meet at 100VAC.

JWS100/508

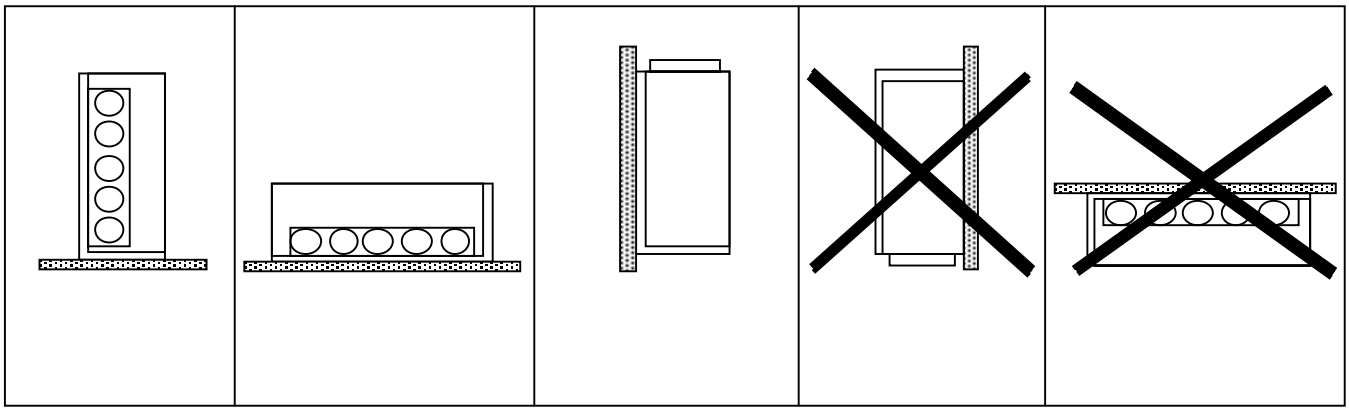
OUTPUT DERATING

A159-01-02/508

Ta(°C)	LOAD(%)		
	MOUNTING A	MOUNTING B	MOUNTING C
-10 ~+30	100	100	100
35	100	80	80
40	100	60	60
45	100	-	-
50	100	-	-
55	60	-	-



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



JWS100/508

SPECIFICATIONS

A159-01-03/508-A

	ITEMS / MODEL			JWS100-12/508
1	Nominal Output Voltage		-	12V
2	Maximum Output Current		-	8.5A
3	Maximum Output Power		-	102W
4	Efficiency (Typ)	(*1)	-	76%
5	Input Voltage Range	(*2)	-	85 - 265VAC (47-63Hz) or 120 - 330VDC
6	Input Current (100/200VAC)(Typ)	(*1)	-	1.4/0.7A
7	Inrush Current(Typ)		-	14A at 100VAC, 28A at 200VAC, Ta=25°C, Cold Start
8	PFHC		-	Designed to meet EN61000-3-2
9	Power Factor (100/200VAC)(Typ)	(*1)	-	0.99/0.95
10	Output Voltage Range		-	10.8V-13.2V
11	Maximum Ripple & Noise	0 - +55°C	-	150mV
	(*3)	-10 - 0°C	-	180mV
12	Maximum Line Regulation	(*4)	-	48mV
13	Maximum Load Regulation	(*5)	-	96mV
14	Temperature Coefficient		-	Less than 0.02%/°C
15	Over Current Protection	(*6)	-	8.92A-
16	Over Voltage Protection	(*7)	-	13.8V-16.2V
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 - +55°C (-10 - +50°C:100%, +55°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 1h each.
30	Shock (In package)		-	Less than 196.1m/s^2
31	Safety	(*11)	-	Approved UL508,CSA C22.2 No.14, UL60950-1, CSA C22.2 No.60950 & EN60950-1. Designed to meet DENAN.
32	Conducted Emission		-	Designed to meet EN55011/EN55022-B, FCC-ClassB, VCCI-B.
33	Radiated Emission		-	Designed to meet EN55011/EN55022-B, FCC-ClassB, VCCI-B.
34	Weight(Typ)		-	700g
35	Size (W.H.D)		mm	50 x 92 x 188 (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 JEITA 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 DENAN (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 (A159-01-02/508-_).
*11. As for DENAN, designed to meet at 100VAC.