

# EWS 100 Specifications

NEMIC-LAMBDA

\*:For delivery, contact to our sales office.

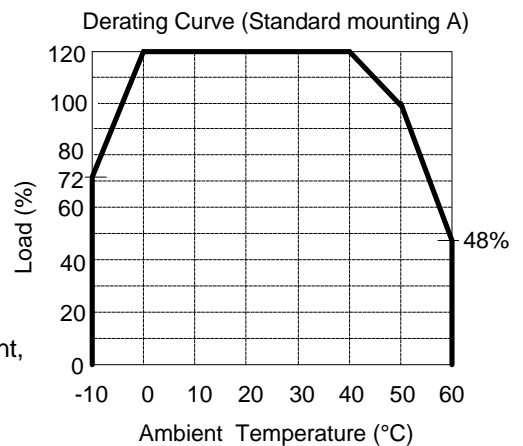
A120-01-01C

MODEL		EWS100	EWS100	EWS100	EWS100	EWS100	EWS100	EWS100	EWS100	EWS100	
ITEMS		-5	-6	-9	-12	-15	-18	-24	-28	-48	
1	Nominal Output Voltage	V	5	6	9	12	15	18	24	28	48
2	Average Output Current	A	20.0	16.7	11.2	8.4	6.7	5.6	4.2	3.6	2.1
3	Average Output Power	W	100.0	100.2	100.8	100.8	100.5	100.8	100.8	100.8	100.8
4	Efficiency (*1)	%	78	78	78	80	80	82	82	82	84
5	Input Voltage Range (*2)	-	85 ~ 132VAC/170 ~ 265 VAC (47 ~ 63Hz) automatically switchable or 230 - 330VDC								
6	Input Current (Typ) (*1)	-	2.5A at 100VAC / 1.4A at 200VAC								
7	Inrush Current(Typ)	-	14A at 100VAC / 28A at 200VAC								
8	Output Voltage Range	%	±10%								
9	Maximum Ripple & Noise	mV	150	150	150	200	200	250	250	250	250
10	Maximum Line Regulation (*3,7)	mV	20	24	36	48	60	72	96	112	192
11	Maximum Load Regulation (*4,7)	mV	40	48	72	100	120	150	150	180	384
12	Over Current Protection (*5)	-	125%								
13	Over Voltage Protection (*6)	-	115% ~ 135%								
14	Hold-up Time (Typ)	-	20ms at 100W (100VAC/200VAC)								
15	Remote Sensing	-	Possible								
16	Parallel Operation	-	—								
17	Series Operation	-	Possible								
18	Operating Temperature (*7)	°C	-10 ~ +60°C (-10°C : 72%, 0 ~ +40°C : 120%, +50°C : 100%, +60°C : 48%)								
19	Operating Humidity	%	30 ~ 90%RH (No dewdrop)								
20	Storage Temperature	°C	-30 ~ +85°C								
21	Storage Humidity	%	10 ~ 95%RH (No dewdrop)								
22	Cooling	-	Convection Cooled								
23	Withstand Voltage (*8)	kV	Input-Chassis : 2.5kVAC(20mA) 1min, Input-Output : 3.75kVAC(20mA) 1min. Output-Chassis : 500VAC (100mA) 1min.								
24	Isolation Resistance	Ω	More than 100MΩ at 25°C and 70%RH Output-Chassis 500VDC								
25	Vibration	G	10 ~ 55Hz Amplitude (Sweep 1min.) Less than 2G X, Y, Z 1h each								
26	Shock	G	Less than 20G								
27	Safety Standard	UL1950	- Approved by UL								
		CSA950	- Approved by C-UL								
		EN60950	- Approved by TUV								
28	Conducted Radio Noise	-	Built to meet FCC-ClassA, VCCI-ClassA.								
29	Weight	g	850								
30	Size (WxHxD)	mm	54 x 97 x 200 ( Refer to Outline Drawing )								

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

=NOTES=

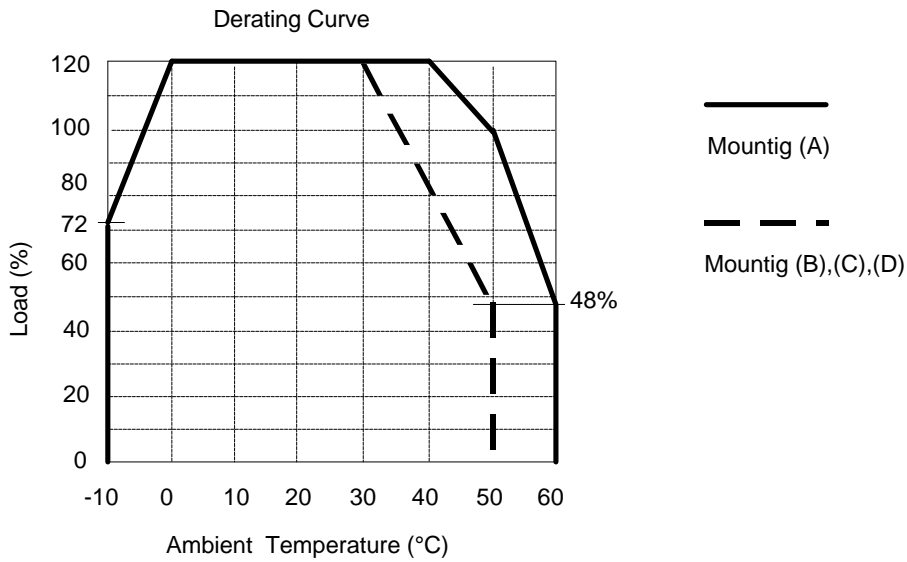
- \*1. At 100VAC/200VAC and average output power.
- \*2. For cases where conformance to various safety specs (UL, CSA, etc) are required, to be described as 100/120VAC,200/240VAC,50/60Hz on name plate.
- \*3. From 85 ~ 132VAC or 170 ~ 265VAC,constant load.
- \*4. From No load to Full load, constant input voltage.
- \*5. Current limiting with automatic recovery.
- \*6. OVP circuit will shutdown output, manual reset.
- \*7. Ratings-Load (%) is percent of average output power or average current, whichever is greater. Refer to instruction manual for further mounting details.
- \*8. 3.75kVAC : Input-Output with FG - ACG connected.  
2.5kVAC : Input-Chassis with FG - ACG connected.



# EWS 100 OUTPUT DERATING

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Ta (°C)	LOAD (%)			
	MOUNTING : A	MOUNTING : B	MOUNTING : C	MOUNTING : D
-10	72	72	72	72
0 ~ +10	120	120	120	120
20	120	120	120	120
30	100	120	120	120
40	120	84	84	84
50	100	48	48	48
60	48	-	-	-



MOUNTING : A

MOUNTING : B

MOUNTING : C

MOUNTING : D

DON'T USE

(STANDARD MOUNTING)

