EWS5000T Specifications

NEMIC-LAMBDA

:For delivery, contact to our sales office.

A122-01-01A

	ITEMS \ MODEL			EWS5000T -2	EWS5000T -3.3	EWS5000T -5
1	Nominal Output Voltage		V	2	3.3	5
2	Maximum Output Current		A	1000	1000	1000
3	Maximum Output Power		W	2000	3300	5000
4	Efficiency (Typ)	(*1)	%	65	70	80
5	Input Voltage Range	(*2)	-	3phase (3ϕ) 170 ~ 265VAC, 47 ~ 63Hz (*14) AC Input Voltage Range Shown on Front Panel 200 - 240VAC (50/60Hz)		
6	Input Current (Typ)	(*1)	A	11	16	20
7	Power Factor (Typ)	(*1)	-	0.95	0.95	0.95
8	Inrush Current(Typ)	(*3)	A	60A at 200VAC	60A at 200VAC	60A at 200VAC
9	Output Voltage Range (Typ)	(*4)	V	±20%	±20%	±20%
10	Maximum Ripple & Noise	(*5)	mV	200	200	200
11	Maximum Line Regulation	(*6)	mV	20	20	20
12	Maximum Load Regulation	(*7)	mV	30	30	30
13	Over Current Protection	(*8)	%	105 ~ 130%	105 ~ 130%	105 ~ 130%
14	Over Voltage Protection	(*9)	V	2.60 ~ 2.80V	4.29 ~ 4.62V	6.50 ~ 7.00V
15	Hold-up Time (Typ)	(*10)	ms	20ms		
16	Remote Sensing		-	Possible		
17	Remote ON/OFF Control		-	Possible		
18	Parallel Operation		-	Possible (with current balance)		
19	Series Operation		-	Possible		
20	Operating Temperature	(*11)	°C	-10 ~ +60°C		
21	Operating Humidity		%	30 ~ 90%RH (No dewdrop)		
22	Storage Temperature		°C	-30 ~ +85°C		
23	Storage Humidity		%	10 ~ 95%RH (No dewdrop)		
24	Cooling		-	Forced air by blower fan (Blower fan is mounted within supply)		
25	Temperature Coefficient		%	Less than 2% at -10 ~ +60 °C		
26	Withstand Voltage	(*12)	kV	Input - Chassis : 3.0kVAC, Input - Output : 3.0kVAC 1min. Output - Chassis : 500VAC 1min		
27	Isolation Resistance		Ω	More than 100MΩ at 25°C and 70%RH Output - Chassis : 500VDC		
28	Vibration		G	Less than 2G		
29	Shock		G	Less than 20G		
30	Safety		-	Built to meet UL1950-D3, CSA1402C		
31	Weight		kg	19.5		
32	Size (WxHxD)		mm	376 x 125 x 290 (Refer to Outline Drawing)		
33	Monitoring Signal	(*13)	-	PF, HG (Open Collector Output)		

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

=NOTES=

*1. At 200VAC and maximum output power.

*2. For cases where conformance to various safety specs (UL, CSA) are required, input voltage range will be 200 ~ 240VAC .

*3. When resuming operation in less than 5 sec after power failure at no load, softstart circuit will not limit the in -rush current at turn-on.

*4. By means of V. adj. on front panel. Also by PV controlling output voltage is adjustable from 0V to the maximum output voltage. (Rating x 120%). Refer to Fig . 1. Ratings : Refer to Fig . 2

*5. Mounting film capacitor of 1uF and electrolytic capacitor of 100uF on + & - output bars, measured at the lead of the capacitors.

*6. From 170 ~ 265VAC, constant load.

*7. From No load ~ Full load, constant input voltage.

*8. Constant current limiting with automatic recovery. (The unit automatically shuts down the output when it is left for 5 seconds (Typ) under the state that OCP is operating and the output voltage is less than PF detected level.)

*9. At rated voltage. Inverter shut-down method, manual reset. (OVP circuit will shut-down output.)

*10. At 200VAC, Nominal output voltage & Maximum output current.

*11. Ratings -Refer to Derating Curve on the Fig. 3.

*12. Leakage current range used : Input - Chassis greater than 20mA
Input - Output greater than 20mA Output - Chassis greater than 300mA

*13. PF voltage varies with tracking output voltage. HG : For monitoring of the status of internal PFC circuit operation.

*14. Shuts down output when the voltage of each phase drops to less than AC150V.

OUTPUT DERATING
(Mounting method : A,B,C)

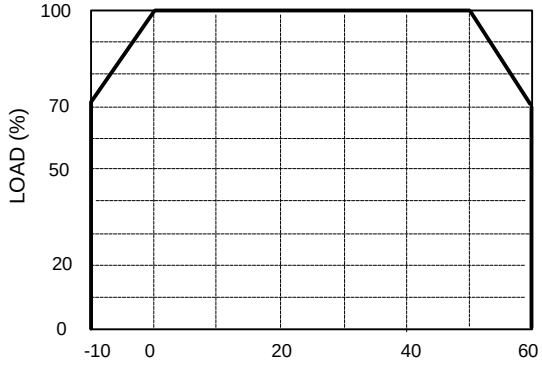
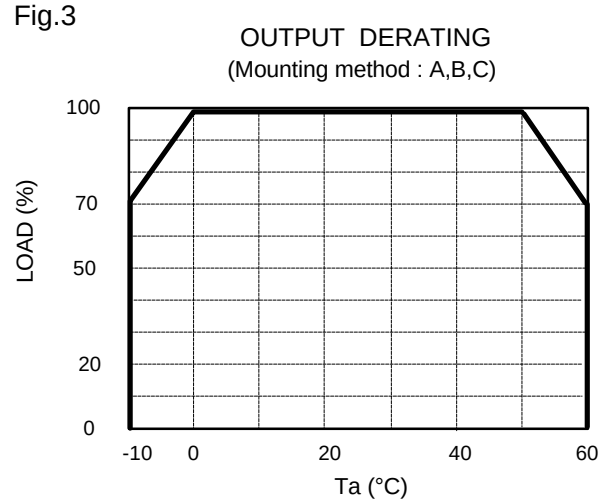


Fig.3

EWS 5000T OUTPUT DERATING

NEMIC-LAMBDA

Fig.3

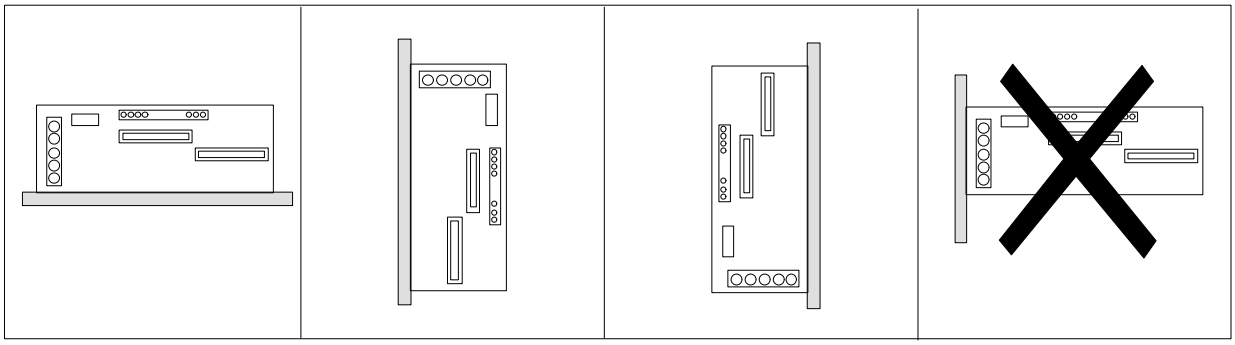


MOUNTING : A (STANDARD MOUNTING)

MOUNTING : B

MOUNTING : C

DON'T USE



Output Voltage Range

By mean of V. adj. on front panel. Also by PV controlling output voltage is adjustable from 0V to the maximum output voltage (Rating x 120%).
Refer to Fig . 1. Ratings : Refer to Fig . 2

Fig.1 OUTPUT Vo vs PV

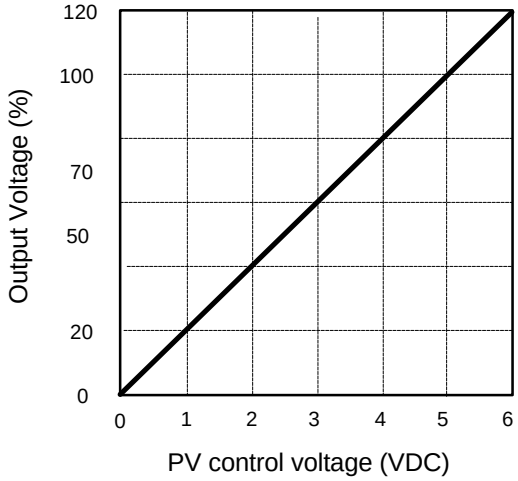
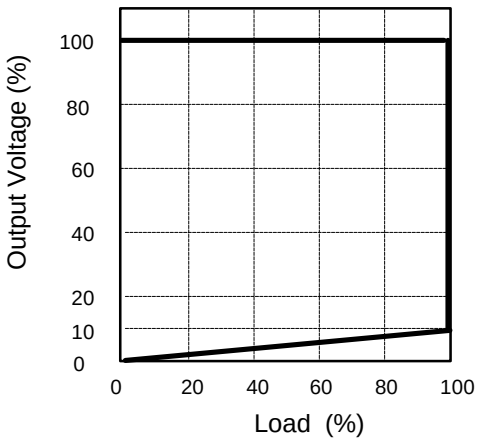


Fig.2 OUTPUT Vo vs LOAD



* PV setting allowance : At rated input and no load, ±2% of required output voltage or ±1% of nominal output voltage, whichever is greater.