

DENSEI-LAMBDA

EWS50 SPECIFICATIONS

PA707-01-01E

		MODEL	EWS50-5	EWS50-6	EWS50-9	EWS50-12	EWS50-15	EWS50-18	EWS50-24	EWS50-28	EWS50-48
ITEMS											
1	Nominal Output Voltage	V	5	6	9	12	15	18	24	28	48
2	Maximum Output Current	A	10	8.4	5.6	4.4	3.6	3.2	2.4	2.0	1.2
3	Maximum Output Power	W	50	50.4	50.4	52.8	54.0	57.6	57.6	56.0	57.6
4	Efficiency (Typ) (*1)	%	75	75	75	76	77	78	78	80	80
5	Input Voltage Range (*2)	-	85 ~ 265VAC (47 ~ 440Hz) OR 110 ~ 330VDC AC Input Voltage and freq. Range shown on Panel Label : 85 ~ 250VAC (47 ~ 63Hz)								
6	Input Current (Typ) (*6)	-	1.2A / 0.6A								
7	In-rush Current (Typ) (*8)	-	6.8A at 100VAC , 13.5A at 200VAC								
8	Output Voltage Range (Typ)	-	±10%								
9	Maximum Ripple & Noise (*11)	mV	120	120	150	150	150	150	200	200	250
10	Maximum Line Regulation (*3)	mV	20	24	36	48	60	72	96	112	192
11	Maximum Load Regulation (*4)	mV	40	50	76	100	120	140	150	160	380
12	Over Current Protection (*5)	A	10.5 ~	8.8 ~	5.9 ~	4.6 ~	3.8 ~	3.4 ~	2.5 ~	2.1 ~	1.26 ~
13	Over Voltage Protection (*7)	VAC	5.75 ~ 6.75	6.90 ~ 8.10	10.4 ~ 12.2	13.8 ~ 16.2	17.3 ~ 20.3	20.7 ~ 24.3	27.6 ~ 32.4	32.2 ~ 37.8	55.2 ~ 64.8
14	Hold-up Time (*6)	-	More than 16mS / 100mS								
15	Remote Sensing	-	-								
16	Remote ON/OFF Control	-	-								
17	Parallel Operation	-	-								
18	Series Operation	-	POSSIBLE								
19	Operating Temperature	-	-10°C ~ 60°C, -10°C... 70%, 0°C ~ 50°C... 100%, 60°C... 50%								
20	Operating Humidity	-	30% ~ 90% RH								
21	Storage Temperature	-	-30°C ~ 65°C								
22	Storage Humidity	-	10% ~ 95% RH								
23	Cooling	-	Convection Cooling								
24	Temperature Coefficient (Typ)	-	0 ~ 60°C : 1%, -10 ~ 60°C : 1.5%								
25	Withstand Voltage (*9)	-	Input-Output... 3.75KV, Input-Chassis... 2.5KV for 1 min. @ 20mA								
26	Isolation Resistance (*10)	-	More than 100MΩ at DC 500V at 25°C and 70% RH for 1 min.								
27	Vibration	-	2g								
28	Shock	-	20g								
29	Weight	-	450gm								
30	Size (W.H.D)	-	37mm x 97mm x 153mm (Refer to Outline Dwg)								

NOTES :

- *1 : At 100VAC and Maximum Output Power.
- *2 : For cases where conformance to various safety specs (UL, CSA, VDE, etc.) are required, Input Voltage and Frequency Range will be 85 ~ 250VAC, 47 ~ 63Hz
- *3 : From 85 ~ 265VAC or 110 ~ 330VDC.
- *4 : From No load to Maximum load, Constant Input Voltage
- *5 : Foldback current limiting with automatic recovery.
- *6 : At 100VAC /200VAC, 50W Output Power.
- *7 : Inverter shut-down method, manual reset.
- *8 : When resuming operation in less than 15sec. After power failure at no load, softstart circuit will not limit the in-rush current at turn-on.
- *9 : 3.75KVAC --- Input - Output with FG - ACG connected.
2.5 KVAC --- Input - Chassis with FG - ACG connected
- *10 : Output - Chassis.
- *11 : JEITA RC-9131 probe and 100MHz Bandwidth oscilloscope.