

DENSEI-LAMBDA

EWS1500T SPECIFICATIONS

A119-01-01C

Items	EWS1500T	EWS1500T	EWS1500T	EWS1500T	EWS1500T	EWS1500T	EWS1500T	EWS1500T	EWS1500T	
1. Nominal Output Voltage	V	3.3	5	10	12	15	24	36	48	
2. Maximum Output Current	A	300	300	150	125	100	63	42	32	
3. Maximum Output Power	W	600	900	1500	1500	1500	1512	1512	1536	
4. Efficiency (Typ)	(*)%	65	70	80	81	82	83	83	84	
5. Input Voltage Range	(*)2	3 ϕ 170 ~ 265VAC, 47 ~ 63Hz (*13)								
6. Input Current (Typ)	(*)1 A	AC Input Voltage Range Shown on Front Panel 200/240VAC (50/60Hz)								
7. Power Factor (Typ)	(*)1	200VAC.....6.0A								
8. In-rush Current (Typ)	(*)3	0.55								
9. Output Voltage Range (Typ)*4	(*)4	40A at 200VAC								
10. Maximum Ripple & Noise	mV	\pm 20%								
11. Maximum Line Regulation (*5)	mV	100	20	20	40	48	60	96	144	
12. Maximum Load Regulation (*6)	mV	30	30	30	60	72	90	144	216	
13. Over Current Protection (*7)	%	105 ~ 130								
14. Over Voltage Protection (*8)	V	Vo+1.0-2.0 Vo+2.0-4.0 Vo+2.4-4.3 Vo+1.8-3.6 Vo+1.2-1.4 Vo+0.6-1.9, 2								
15. Hold-Up Time (Typ)	(*)9	30ms								
16. Remote Sensing		Possible								
17. Remote ON/OFF Control		Possible								
18. Parallel Operation		Possible (with current balance)								
19. Series Operation		Possible								
20. Operating Temperature (*10)		-10 ~ +60 $^{\circ}$ C								
21. Operating Humidity		30% ~ 90% RH (No dewdrop)								
22. Storage Temperature		-30 ~ +85 $^{\circ}$ 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 $^{\circ}$ C ~ +60 $^{\circ}$ C								
26. Withstand Voltage (*11)		Input - Chassis.....2.5KVAC Input - Output.....2.5KVAC lmin. Output - Chassis.....500VAC lmin.								
27. Isolation Resistance		More than 100M Ω at 25 $^{\circ}$ C and 70% RH Output-Chassis.....500VDC								
28. Vibration		Less than 19.6m/s 2								
29. Shock		Less than 19.6.1m/s 2								
30. Weight		8.0kg \pm								
31. Size (W-H-D)	mm	(200 x 97 x 300) Refer to Outline Drawing								
32. Monitoring Signal	(*)12	PF (Open Collector Output)								

NOTES

- * 1 : At 20VAC & Maximum output power.
- * 2 : For cases where conformance to various safety specs (UL, CSA, etc) are required, input voltage range will be 200/240 VAC.
- * 3 : When resuming operation in less than 1 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 : From 170 ~ 265VAC, constant load.
- * 6 : From 40 load ~ Full load, constant input voltage.
- * 7 : 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.)
- * 8 : At rated voltage. Inverter shut-down method, manual reset. (OVP circuit will shut-down output)
- * 9 : OVP trip point varies with tracking the output voltage.
- * 10 : At 20VAC, 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
Output - Output greater than 20mA
Input - Chassis greater than 300mA
- * 13 : PF voltage varies with tracking output voltage.
- * 14 : Shuts down output when the voltage of each phase drops to less than 4C150V.

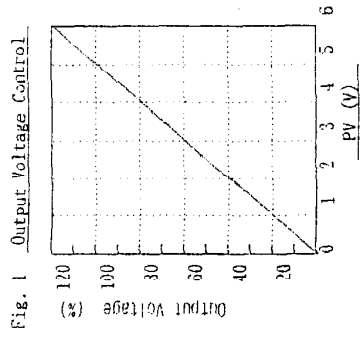


Fig. 1 Output Voltage Control

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

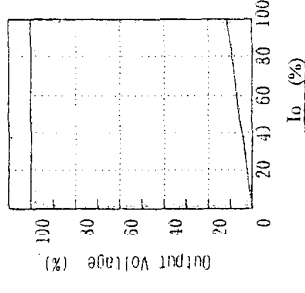


Fig. 2 Derating Curve

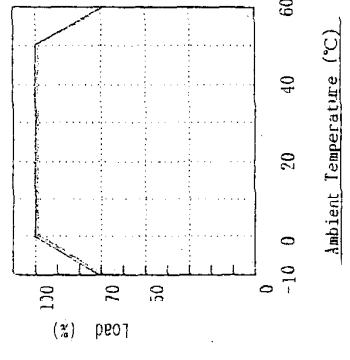


Fig. 3 Derating Curve