

EWS1500 SPECIFICATIONS

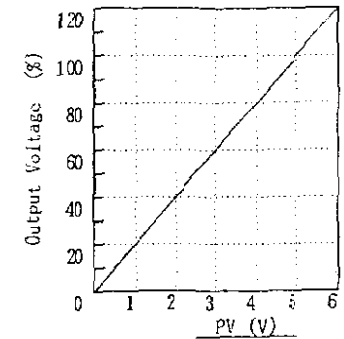
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Items	Model	EWS1500 -2	EWS1500 -3.3	EWS1500 -5	EWS1500 -10	EWS1500 -12	EWS1500 -15	EWS1500 -24	EWS1500 -36	EWS1500 -48	
1	Nominal Output Voltage (V)	2	3.3	5	10	12	15	24	36	48	
2	Maximum Output Current (A)	300	300	300	150	125	100	63	42	32	
3	Maximum Output Power (W)	600	990	1500	1500	1500	1500	1512	1512	1536	
4	Efficiency (Typ) (*1)%	65	70	80	81	81	82	83	83	84	
5	Input Voltage Range	1 ϕ 85 ~ 132VAC / 170 ~ 265VAC (Selectable), 47 ~ 63Hz									
6	Input Current (Typ) (*1)A	AC Input Voltage and Frequency Range Shown on Panel Label 100-120V~, 200-240V~ (50/60Hz)									
7	In-rush Current (Typ) (*3)A	100VAC...16A	100VAC...24A	100VAC...32A						200VAC...16A	
8	Output Voltage Range (Typ) (*4)	200VAC...8A	200VAC...12A	30A at 100VAC / 60A at 200VAC							
9	Maximum Ripple & Noise (mV)	100			200			400			
10	Maximum Line Regulation (*5)mV	20	20	20	40	48	60	96	144	192	
11	Maximum Load Regulation (*6)mV	30	30	30	60	72	90	144	216	288	
12	Over Current Protection (*7)%	105 ~ 130									
13	Over Voltage Protection (*8)V	Vo+0.4-0.8	Vo+0.66-1.32	Vo+1.0-2.0	Vo+2.0-4.0	Vo+2.4-4.8	Vo+3.0-6.0	Vo+4.8-9.6	Vo+7.2-14.4	Vo+9.6-19.2	
14	Hold-Up Time (Typ) (*9)	20ms									
15	Remote Sensing	Possible									
16	Remote ON/OFF Control	Possible									
17	Parallel Operation	Possible (with current balance)									
18	Series Operation	Possible									
19	Operating Temperature (*10)	-10 ~ +60 $^{\circ}$ C									
20	Operating Humidity	30% ~ 90% RH (No dewdrop)									
21	Storage Temperature	-30 ~ +85 $^{\circ}$ C									
22	Storage Humidity	10% ~ 95% RH (No dewdrop)									
23	Cooling	Forced air by blower fan (Blower fan is mounted within supply)									
24	Temperature Coefficient	Less than 2% at -10 $^{\circ}$ C ~ +60 $^{\circ}$ C									
25	Withstand Voltage (*11)	Input - Chassis...2.5kVAC			Input - Output...3.75kVAC 1min.						Output - Chassis...500VAC 1min.
26	Isolation Resistance	More than 100M Ω at 25 $^{\circ}$ C and 70% RH Output-Chassis...500VDC									
27	Vibration	Less than 19.6m/s 2									
28	Shock	Less than 196.1m/s 2									
29	Weight	7.0kg									
30	Size (W·H·D)	(200×97×300) Refer to Outline Drawing									
31	Monitoring Signal (*12)	PF (Open Collector Output)									

NOTES

- * 1 : At 100V/200VAC & Maximum output power.
- * 2 : For cases where conformance to various safety specs (UL, CSA, etc) are required, input voltage range will be 100-120V~, 200-240V~ (50/60Hz)
- * 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 ×120%). Refer to Fig. 1. Ratings : Refer to Fig. 2.
- * 5 : From 85 ~ 132VAC or 170 ~ 265VAC, constant load.
- * 6 : From No 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) OVP trip point varies with tracking the output voltage.
- * 9 : At 200VAC, Nominal output voltage & Maximum output current.
- *10 : Ratings - Refer to Derating Curve on the Fig. 3.
- *11 : Leakage current range used : Input - Chassis greater than 20mA
Input - Output greater than 20mA
Output - Chassis greater than 330mA
- *12 : PF voltage varies with tracking output voltage.

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

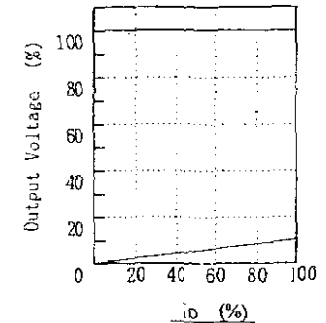


Fig. 3 Derating Curve

