

EWS300 SPECIFICATIONS

A102-01-01D

Items	Model	EWS300 -2	EWS300 -5	EWS300 -6	EWS300 -9	EWS300 -12	EWS300 -15	EWS300 -18	EWS300 -24	EWS300 -28	EWS300 -48	
1	Nominal Output Voltage	V	2	5	6	9	12	15	18	24	48	
2	Maximum Output Current	A	60	60	50	34	27	22	18	14	7	
3	Maximum Output Power	W	120	300	300	306	321	330	324	336	336	
4	Efficiency (Typ)	(*)%	60	74	75	76	80	80	80	82	82	
5	Input Voltage Range	-	85 ~ 132VAC / 170 ~ 265VAC (47 ~ 63 Hz) autoswitchable AC Input Voltage and Freq. Range Shown on Panel Label : 100-120V~ , 200-240V~ (50/60Hz)									
6	Input Current (Typ)	(*)-	100VAC-3.5A 200VAC-1.7A	100VAC...7.0A 200VAC...3.5A								
7	In-rush Current (Typ)	(*)3-	25A at 100VAC / 50A at 200VAC									
8	Output Voltage Range (Typ)	%	-10 ~ +20	± 20								
9	Maximum Ripple & Noise	mV	100			200					400	
10	Maximum Line Regulation (*4)	mV	20	20	24	36	43	60	72	96	192	
11	Maximum Load Regulation (*5)	mV	30	30	36	54	72	90	108	144	288	
12	Over Current Protection (*6)	A	63.0 ~ 78.0	63.0 ~ 78.0	52.5 ~ 65.0	35.7 ~ 44.2	28.3 ~ 35.1	23.1 ~ 28.6	8.9 ~ 23.4	14.7 ~ 18.2	12.6 ~ 15.6	7.3 ~ 9.1
13	Over Voltage Protection (*7)	V	2.8 ~ 3.2	6.3 ~ 7.3	7.5 ~ 8.7	11.3 ~ 13.1	15.0 ~ 17.4	18.3 ~ 21.8	22.5 ~ 26.1	30.0 ~ 34.8	35.0 ~ 40.6	60.0 ~ 69.6
14	Hold-Up Time (Typ)	(*)8-	20ms									
15	Remote Sensing	-	Possible									
16	Remote ON/OFF Control	-	Possible									
17	Parallel Operation	-	Possible									
18	Series Operation	-	Possible									
19	Operating Temperature (*9)	°C	-10 ~ +60									
20	Operating Humidity	-	30% ~ 90% RH (No dewdrop)									
21	Storage Temperature	°C	-30 ~ +85									
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 1% at -10°C ~ +60°C									
25	Withstand Voltage (*10)	-	Input - Chassis...2.5kVAC 1min			Input - Output...3.75kVAC 1min						
26	Isolation Resistance	Ω	More than 100MΩ at 25°C and 70% RH Output-Chassis...500VDC									
27	Vibration	-	At no operating, 10-55Hz			(Sweep for 1 min)		19.6m/s <sup>2</sup> constant X,Y,Z 1 h each				
28	Shock	-	Less than 196.1m/s <sup>2</sup>									
29	Weight	-	2.5kg									
30	Size (W·H·D)	-	(120·92·190) Refer to Outline Drawing									
31	Monitoring Signal	-	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 : First in-rush current.  
When resuming operation in less than 10 sec after power failure at no load, softstart circuit will not limit the in-rush current at turn-on.
- \* 4 : From 85 ~ 132VAC or 170 ~ 265VAC, constant load.
- \* 5 : From No load ~ Full load, constant input voltage.
- \* 6 : Constant current limiting with automatic recovery. (The unit automatically shuts down the output when it is left for 30 seconds under the state that OCP is operating and the output voltage is less than FF detected level.)
- \* 7 : Inverter shut-down method, manual reset. (OPP circuit will shut-down output)
- \* 8 : At 100V/200VAC, Nominal output voltage & Maximum output current.
- \* 9 : Ratings - Refer to Derating Curve on the right.  
- load(%) is percent of maximum output power or maximum output current, whichever is greater.
- \* 10 : Leakage current range used : Input: - Chassis greater than 20mA  
Input: - Output greater than 20mA  
Output: Chassis greater than 100mA

Derating Curve

