

EWS600 SPECIFICATIONS

A103-01-01D

Items	Model	EWS600	EWS640	EWS600	EWS600	EWS600	EWS600	EWS600	EWS600	EWS600	EWS600	EWS600		
		-2	-3	-6	-9	-11	-15	-18	-24	-28	-36	-48		
1	Nominal Output Voltage	V	2	3	6	9	11	15	18	24	28	36	48	
2	Maximum Output Current	A	120	120	100	68	53	43	35	27	23	17	13	
3	Maximum Output Power	W	240	600	600	612	636	645	630	648	644	612	624	
4	Efficiency (Typ) (*1)	%	61	75	75	77	80	80	80	83	83	83	83	
5	Input Voltage Range		85 ~ 132VAC / 170 ~ 265VAC (47 ~ 63Hz) autoswitchable											
6	Input Current (Typ) (*1)		AC Input Voltage and Freq. Range Shown on Panel Label : 100-120V~ , 200-240V~ (50/60Hz)											
			100VAC-7.0A										100VAC-14.0A	
			200VAC-3.5A										200VAC-7.0A	
7	In-rush Current (Typ) (*3)		30A at 100VAC / 60A at 200VAC											
8	Output Voltage Range (Typ)	%	-10 ~ +20										±20	
9	Maximum Ripple & Noise	mV	100			200						400	400	
10	Maximum Line Regulation (*4)	mV	20	20	24	36	48	60	72	96	112	192	192	
11	Maximum Load Regulation (*5)	mV	30	30	36	54	72	90	108	144	168	288	288	
12	Over Current Protection (*6)	A	126 ~ 156	126 ~ 156	105 ~ 130	71.4 ~ 88.4	55.6 ~ 68.9	45.1 ~ 55.9	36.7 ~ 45.5	28.3 ~ 35.1	24.1 ~ 29.9	17.8 ~ 22.1	13.5 ~ 16.9	
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	18.8 ~ 21.8	22.5 ~ 26.1	30.0 ~ 34.8	35.0 ~ 40.6	45.8 ~ 54.0	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. Output - Chassis..... 500 VAC 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 ² constant X.Y.Z 1 h each											
28	Shock		Less than 196.1m/s ²											
29	Weight		4kg											
30	Size (W·H·D)	mm	(190·92·200) Refer to Outline Drawing											
31	Monitoring Signal		PF (Open Collector Output)											
32														

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 PF detected level.)
- * 7 : Inverter shut-down method, manual reset. (OVP 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

