

# PS-12

## SPECIFICATIONS

A012 - 01 - 01A

Items	Model	PS-12-24	PS-12-36	PS-12-48
1	Nominal Output Voltage	V 24	36	48
2	Average Output Current	A 7.5	5	3.8
3	Peak Output Current (*1)	A 15	10	7.5
4	Average Output Power	W 180	180	182.4
5	Peak Output Power (*1)	W 360	360	360
6	Efficiency (Typ) (*2)	% 84	85	86
7	Input Voltage Range (*3)	85-132VAC / 170-265VAC(47-440Hz) or 230-330VDC AC Input Voltage Range Shown on Front Panel 170-250VAC		
8	Input Current (Typ) (*2)	A 4.2A at 100VAC / 2.1A at 200VAC		
9	In-rush Current (Max) (*4)	A 15A at 100VAC / 30A at 200VAC (280VDC)		
10	Output Voltage Range (Typ)	% ±10%		
11	Maximum Ripple & Noise	mV 480	720	960
12	Maximum Line Regulation (*5)	% 96	144	192
13	Maximum Load Regulation (*6)	% 192	288	384
14	Over Current Protection (*7)	A 15.3 ~ 19.2	10.2 ~ 12.8	7.7 ~ 9.6
15	Over Voltage Protection (*8)	V 27.6 ~ 32.4	41.4 ~ 48.6	55.2 ~ 64.8
16	Hold-Up Time	-		
17	Remote Sensing	-		
18	Remote ON/OFF Control	-		
19	Parallel Operation	-		
20	Series Operation	-		
21	Operating Temperature (*9)	0 ~ +60°C		
22	Operating Humidity	30% ~ 90% RH		
23	Storage Temperature	-30 ~ +85°C		
24	Storage Humidity	10% ~ 95% RH		
25	Cooling	Convection cooled		
26	Temperature Coefficient	Less than 1% at 0 ~ +60°C		
27	Withstand Voltage (*10)	Input-Chassis, Input-Output...2.5kVAC 1min Output-Chassis... 500VAC 1min		
28	Isolation Resistance	More than 100MΩ at 25°C and 70%RH Output-Chassis...500VDC		
29	Vibration	Less than 29.4m/s <sup>2</sup>		
30	Shock	Less than 294.2m/s <sup>2</sup>		
31	Weight	1600 g		
32	Size (W-H-D)	83 - 97 - 200 Refer to Outline Drawing		

### NOTES

- \* 1 : Operating time at peak output is less than 5 sec.
- \* 2 : At 100VAC / 200VAC & Average output power.
- \* 3 : For cases where conformance to various safety specs (UL,CSA,etc) are required, input voltage range will be 170-250VAC.
- \* 4 : 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.
- \* 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.
- \* 8 : Inverter shut-down method, manual reset.
- \* 9 : Ratings : Percent of Average output current or Average output power, whichever is greater. 0 ~ +50°C...100% , 60°C...70%
- \*10 : Leakage current range used : Input-Chassis, Input-Output greater than 20mA  
Output-Chassis greater than 100mA