

# PS-14

A011 - 01 - 01A

Items		Model	PS-14-24	PS-14-36	PS-14-48
1	Nominal Output Voltage	V	24	36	48
2	Average Output Current	A	10	6.7	5
3	Peak Output Current (*1)	A	20	13.4	10
4	Average Output Power	W	240	241.2	240
5	Peak Output Power (*1)	W	480	482.4	480
6	Efficiency (Typ)	(*2)%	86	86	88
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)	5.4A at 100VAC / 2.7A at 200VAC		
9	In-rush Current (Max)	(*4)	15A at 100VAC / 30A at 200VAC (260VDC)		
10	Output Voltage Range (Typ)		±10%		
11	Maximum Ripple & Noise	mV	480	720	960
12	Maximum Line Regulation (*5)	mV	96	144	182
13	Maximum Load Regulation (*6)	mV	192	288	384
14	Over Current Protection (*7)	A	20.4 ~ 25.6	13.7 ~ 17.2	10.2 ~ 12.8
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		1900 g		
32	Size (W·H·D)		103 · 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