

ARTISAN®
TECHNOLOGY GROUP

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Artisan Technology Group
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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)	mV	96	144	192
13	Maximum Load Regulation (*6)	mV	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	ms	—		
17	Remote Sensing	—	—		
18	Remote ON/OFF Control	—	—		
19	Parallel Operation	—	—		
20	Series Operation	—	—		
21	Operating Temperature (*9)	—	0 ~ +60℃		
22	Operating Humidity	—	30% ~ 90% RH		
23	Storage Temperature	—	-30 ~ +85℃		
24	Storage Humidity	—	10% ~ 95% RH		
25	Cooling	—	Convection cooled		
26	Temperature Coefficient	—	Less than 1% at 0 ~ +60℃		
27	Withstand Voltage (*10)	—	Input-Chassis, Input-Output…2.5kVAC 1min Output-Chassis… 500VAC 1min		
28	Isolation Resistance	—	More than 100MΩ at 25℃ and 70%RH Output-Chassis…500VDC		
29	Vibration	—	Less than 29.4m/s²		
30	Shock	—	Less than 294.2m/s²		
31	Weight	—	1600g		
32	Size (W-H-D)	mm	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℃…100% , 60℃…70%
*10 : Leakage current range used : Input-Chassis, Input-Output greater than 20mA
Output-Chassis greater than 100mA

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