

HWS300P/I

SPECIFICATIONS(1/2)

A237-01-01/I

MODEL			HWS300P-24	HWS300P-48
ITEMS				
-	Part No	V	HWS300P-24/I	HWS300P-48/I
1	Nominal Output Voltage	V	24	48
2	Average Output Current	A	12.5	6.3
3	Peak Output Current (*1)	100VAC	21	10.5
		200VAC	42	21
4	Average Output Power	W	300	302.4
5	Peak Output Power (*1)	100VAC	504	
		200VAC	1008	
6	Efficiency (Typ.) (*2)	100VAC	84	84
		200VAC	87	87
7	Input Voltage Range (*3)	-	85 - 265VAC (47 - 63Hz) or 120 - 330VDC	
8	Input Current (100/200VAC)(Typ) (*2)	A	3.6 / 1.9	
9	Inrush Current(Typ) (*4)	-	20A at 100VAC, 40A at 200VAC	
10	PFHC	-	Designed to meet IEC61000-3-2	
11	Power Factor (100/200VAC)(Typ) (*2)	-	0.99 / 0.93	
12	Output Voltage Range	V	19.2 - 26.4	38.4 - 52.8
13	Maximum Ripple & Noise (*5)	0≤Ta≤70°C	150	350
		-10≤Ta≤0°C	200	400
14	Maximum Line Regulation (*6)	mV	96	192
15	Maximum Load Regulation (*7)	mV	144	288
16	Temperature Coefficient	-	Less than 0.02% / °C	
17	Over Current Protection (*8)	100VAC	21.4 ≤	10.7 ≤
		200VAC	42.8 ≤	21.4 ≤
18	Over Voltage Protection (*9)	V	27.6 - 32.4	55.2 - 64.8
19	Hold-up Time(Typ) (*10)	-	20ms	
20	Leakage Current (*11)	-	Less than 0.75mA. 0.2mA(Typ) at 100VAC / 0.44mA(Typ) at 230VAC	
21	Remote Sensing	-	-	
22	Remote ON/OFF control	-	Possible	
23	Monitoring Signal	-	PF(Open Collector Output)	
24	Parallel Operation	-	-	
25	Series Operation	-	Possible	
26	Operating Temperature (*12)	-	-10 to +70°C (-10 to +50°C:100%,+70°C:50%)	
27	Operating Humidity	-	10 to 90%RH (No dewdrop)	
28	Storage Temperature	-	-30 to +85°C	
29	Storage Humidity	-	10 to 95%RH (No dewdrop)	
30	Cooling	-	Forced Air By Blower Fan 60xl, Exhaust	
31	Withstand Voltage	-	Input - FG : 2.5kVAC (20mA), Input - Output : 3kVAC (20mA) Output - FG: 500VAC (100mA), Output-CNT: 100VAC(100mA) for 1min	
32	Isolation Resistance	-	More than 100MΩ Output - FG : 500VDC More than 10MΩ Output -CNT : 100VDC at 25°C and 70%RH	
33	Vibration	-	At no operating, 10 - 55Hz (Sweep for 1min) 19.6m/s ² Constant, X,Y,Z 1hour each	
34	Shock (In package)	-	Less than 196.1m/s ²	
35	Safety (*13)	-	Approved by UL62368-1, CSA62368-1, EN62368-1, UL60950-1, CSA60950-1, EN50178, IS13252 (Part 1). Designed to meet DENAN	
36	Line DIP	-	Designed to meet SEMI-F47 (200VAC Line only)	
37	Conducted Emission (*14)	-	Designed to meet EN55011/EN55032-B, FCC-B, VCCI-B	
38	Radiated Emission (*14)	-	Designed to meet EN55011/EN55032-B, FCC-B, VCCI-B	
39	Immunity	-	Designed to meet IEC61000-4-2(Level 2,3), -3(Level 3), -4(Level 3), -5(Level 3,4), -6(Level 3), -8(Level 4), -11	
40	Weight(Typ.)	-	1.0kg	
41	Size (W x H x D)	mm	61 x 82 x 165 (Refer to Outline Drawing)	

HWS300P/I

SPECIFICATIONS(2/2)

A237-01-02/I

*Read instruction manual carefully, before using the power supply unit.

=NOTES=

- *1. Operating time at peak output is less than 5sec, duty is less than 35%.
For details, refer to peak output condition. (A237-01-04_)
When the peak output more than 5 sec is continued, the output is shut down, manual reset (CNT reset or Re power on).
- *2. At 100/200VAC, Ta=25°C and average output power.
- *3. For cases where conformance to various safety specs (UL, CSA, EN) are required,
to be described as 100 - 240VAC (50/60Hz).
- *4. First inrush current. Not applicable for the inrush current to Noise Filter for less than 0.2ms.
- *5. Measure with JEITA RC-9131A probe, Bandwidth of scope :100MHz. At average output power.
- *6. 85 - 265VAC , constant load.
- *7. No load-Average load, constant input voltage.
- *8. OCP circuit will shut the output down, manual reset (CNT reset or Re power on).
- *9. OVP circuit will shut the output down, manual reset (CNT reset or Re power on).
- *10. At 100/200VAC , nominal output voltage and average output current.
- *11. Measured by the each measuring method of UL,CSA,EN and DENAN (at 60Hz), Ta=25°C.
- *12. Ratings - Derating at standard mounting. Refer to output derating curve. (A237-01-03_)
- Load (%) is percent of average output power or average output current, whichever is greater.
- *13. As for DENAN, designed to meet at 100VAC.
- *14. At Ta=25°C and average output power.