HWS100/A

SPECIFICATIONS

	A 227 01 01/A D			SFLCIII	LATIONS					
	A227-01-01/A-D	ODEL		HWS100	HWS100	HWS100	HWS100	HWS100	HWS100	
				-3/A	-5/A	-12/A	-15/A	-24/A	-48/A	
1	ITEMS 1 Nominal Output Voltage			3.3	5	12/A	15	24	48	
2				20	20	8.5	7	4.5	2.1	
	3 Maximum Output Power			66	100	102	105	108	100.8	
4		100VAC	W %	78	83	83	83	84	84	
-	Efficiency (Typ) (T)	200VAC	%	81	86	86	86	87	87	
5	Input Voltage Range	(*2)	-	01					07	
	Input Current (100/200VAC)(Typ) (*1)		A	85 - 265VAC (47 - 63Hz) or 120 - 370VDC 0.9/0.45 1.3/0.65						
7	Inrush Current(Typ) (*3)		-	14A at 100VAC, 28A at 200VAC, Ta=25°C, Cold Start						
8	PFHC (5)		-	Designed to meet IEC61000-3-2						
9	Power Factor (100/200VAC)(Typ) (*1)			0.98/0.90 0.99/0.95						
10			V	2.97-3.96	4.0-6.0	9.6-14.4	12.0-18.0	19.2-28.8	38.4-52.8	
	Maximum Ripple & Noise	0≤Ta≤60°C		120	120	150	150	150	200	
1 1	(*4)			160	160	180	180	180	240	
12	Maximum Line Regulation	(*5)		20	20	48	60	96	192	
	Maximum Load Regulation	(*6)		40	40	96	120	192	384	
14	Temperature Coefficient			Less than 0.02% / °C						
	Over Current Protection	(*7)	Α	21.0 <	21.0 <i>≤</i>	8.92 <u><</u>	7.35 <u><</u>	4.72 <u><</u>	2.20 <u><</u>	
16		(*8)	V	4.13-4.95	6.25-7.25	15.0-17.4	18.8-21.8	30.0-34.8	55.2-64.8	
17	Ŭ	(*9)	_	20ms						
18	Leakage Current	(*10)	-	Less than 0.5mA. 0.2mA(Typ) at 100VAC / 0.4mA(Typ) at 230VAC						
19	Remote Sensing		-	Possible						
20	Parallel Operation		-							
21	Series Operation		-	Possible						
22	Operating Temperature	(*11)	-	-10	-10 to +60°C (-10 to +40°C:100%,+50°C:60%,+60°C:20%)					
23	Operating Humidity -			30 to 90%RH (No dewdrop)						
24	Storage Temperature -			-30 to +85°C						
25	Storage Humidity			10 to 95%RH (No dewdrop)						
26			-	Convection Cooling						
27	Withstand Voltage -			Input - FG : 2kVAC (20mA), Input - Output : 3kVAC (20mA)						
				Output - FG : 500VAC (100mA) for 1min						
28			-	More than 100M Ω at 25°C and 70%RH Output - FG : 500VDC						
29	Vibration		-	At no operating, 10 - 55Hz (Sweep for 1min)						
				19.6m/s ² Constant, X,Y,Z 1hour each.						
30			-	Less than 196.1m/s ²						
31	Safety	(*12)	-	Approved by UL60950-1, CSA60950-1, EN60950-1, EN50178,						
				UL508, CSA C22.2 No.14-M95. Designed to meet DENAN						
-	Line DIP		-	Designed to meet SEMI-F47 (200VAC Line only) Designed to meet EN55011/EN55022-B, FCC-B, VCCI-B						
33			-							
34			-	Designed to meet EN55011/EN55022-B, FCC-B, VCCI-B						
35	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							
	Weight(Typ.)		-	500g						
37	Size (W x H x D)		mm	33 x 82 x 160 (Refer to Outline Drawing)						

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

- *1. At 100/200VAC, Ta=25°C and maximum output power.
- *2. For cases where conformance to various safety specs (UL, CSA, EN) are required, to be described as 100 240VAC(50/60Hz).
- *3. Not applicable for the in-rush current to Noise Filter for less than 0.2ms.
- *4. Measure with JEITA RC-9131A probe, Bandwidth of scope :100MHz.
- *5. 85 265VAC , constant load.
- *6. No load-Full load, constant input voltage.
- *7. Constant current limit and Hiccup with automatic recovery.
- Not operate at over load or dead short condition for more than 30seconds.
- *8. OVP circuit will shutdown output, manual reset (Re power on).
- *9. At 100/200VAC, nominal output voltage and maximum output current.
- *10. Measured by the each measuring method of UL,CSA,EN and DENAN(at 60Hz).
- *11. Ratings Derating at standard mounting.
 - Load (%) is percent of maximum output power or maximum output current, whichever is greater.
 - As for other mountings, refer to derating curve (A227-01-02/A-_).
- *12. As for DENAN, designed to meet at 100VAC.

TDK-Lambda

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A227-01-02/A

OUTPUT DERATING

