A 276 01 01/P A

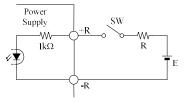
SPECIFICATIONS

	A276-01-01/R-A								
MODEL			HMS80	HMS80	HMS80	HMS80	HMS80		
ITEMS			-5/R	-12/R	-15/R	-24/R	-48/R		
1	Nominal Output Voltage	V	5	12	15	24	48		
2	Maximum Output Current	Α	16	6.7	5.4	3.4	1.7		
3	Maximum Output Power	W	80.0	80.4	81.0	81.6	81.6		
4	Efficiency (Typ.) (*1) 100VA	C %	83	85	85	86	87		
	200VA	C %	85	87	87	88	89		
5 Input Voltage Range (*2)			85 - 265VAC (47 - 63Hz) or 80 - 370VDC						
			75-85VAC : Operation time within 20 seconds.						
6	Input Current (Typ.) (*) A	1.04/0.52						
7	Inrush Current (Typ.) (*1)(*	3) -	14A at 100VAC, 28A at 200VAC, Ta=25°C, Cold Start						
8	PFHC	-	Designed to meet IEC61000-3-2						
9	Power Factor (Typ.) (*) -	0.98/0.91						
10	Output Voltage Range	V	4.0 - 6.4	9.0 - 14.4	12.0 - 18.0	19.2 - 28.8	38.4 - 52.8		
11	Maximum Ripple & Noise 0 ₄ Ta ₂ 70	c mV	120	150	150	150	200		
	(*4) -10 <u><</u> Ta<0	c mV	160	180	180	180	240		
12	Maximum Line Regulation (*.	5) mV	20	48	60	96	192		
13	Maximum Load Regulation (*	6) mV	40	96	120	150	240		
14	Temperature Coefficient	-	Less than 0.02% / °C						
15	Over Current Protection (*	7) A	16.8 <u><</u>	7.04 <u><</u>	5.67 <u><</u>	3.57 <u><</u>	1.79 <u><</u>		
16	Over Voltage Protection (*	3) V	6.67 - 7.73	15.0 - 17.4	18.8 - 21.8	30.0 - 34.8	55.2 - 64.8		
17	Hold-up Time (Typ.) (*) -	20ms						
18	Leakage Current (*	9) -	Less than 0.5mA. 0.2mA (Typ) at 100VAC / 0.4mA (Typ) at 230VAC						
19	Remote Sensing	-	Possible						
20	Remote ON/OFF Control (*1)) -	Possible						
21	Parallel Operation	-	-						
22	Series Operation	-	Possible						
23	Operating Temperature (*1	.) -	-10 to +70°C (-10 to +50°C:100%, +60°C:80%, +70°C:60%)						
24	Operating Humidity	-	30 to 90%RH (No Condensing)						
25	Storage Temperature	-	-30 to +85°C						
26	Storage Humidity	-	10 to 95%RH (No Condensing)						
27	Cooling	-	Convection Cooling						
28	Withstand Voltage	-	Input - FG : 2kVAC (20mA), Input - Output : 3kVAC (20mA)						
			Output - FG : 500VAC (20mA) for 1min						
29	Isolation Resistance	-	More than 100MΩ at 25°C and 70%RH Output - FG : 500VDC						
30	Vibration	-	At no operating, 10 - 55Hz (Sweep for 1min)						
			19.6m/s ² Constant, X,Y,Z 1hour each.						
31	Shock	-	Less than 196.1m/s ²						
32	Line DIP	-	Designed to meet SEMI-F47 (200VAC Line only)						
33	Conducted Emission (*1)		Designed to meet EN55011/EN55022-B, FCC-B, VCCI-B						
34	Radiated Emission (*1)	2	Designed to meet EN55011/EN55022-B, FCC-B, VCCI-B						
35	Immunity (*1	2) -	Designed to meet IEC61000-6-2 IEC61000-4-2, -3, -4, -5, -6, -8, -11						
36	Weight (Typ)	-			470g				
37	Size (W x H x D)	mm		33.5 x 83 x 160	.5 (Refer to Ou	tline Drawing)			

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

=NOTES=

- *1. At 100VAC/200VAC, Ta=25°C, nominal output voltage and maximum output power.
- *2. Output derating needed when input voltage less than 110VDC and 85VAC. Refer to OUTPUT DERATING CURVE.(A276-01-02_, A276-01-03_)
- *3. Not applicable for the inrush current to Noise Filter for less than 0.2ms.
- *4. Measure with JEITA RC-9131B probe, Bandwidth of scope :100MHz.
- *5. 85 265VAC, constant load.
- *6. No load-Full load, constant input voltage.
- *7. 5V : Constant current limit and Hiccup with automatic recovery. 12V - 48V : Constant current limit with automatic recovery Avoid to operate at over load or short circuit condition.
- *8. OVP circuit will shut down output, manual reset (Re power on).
- *9. Measured by the each measuring method of IEC60950-1 (at 60Hz), Ta=25°C.
- *10. As for ON/OFF control mode, see the right figure.
- *11. Output Derating
 - Derating at standard mounting. Refer to OUTPUT DERATING CURVE.(A276-01-02_, A276-01-03_)
 - Load (%) is percent of maximum output power or maximum output current, do not exceed its derating of maximum load.
- *12. The power supply is considered a component which will be installed into a final equipment. The final equipment should be re-evaluated that it meets EMC directives.



The	co	ntrol	mod	e is	show	vn be	low.	

+R & -R terminal condition	Output condition
SW ON (Higher than 4.5V)	ON
SW OFF (Lower than 0.8V)	OFF

External voltage level : E	External resistance : R
4.5~12.5VDC	No required
12.5~24.5VDC	1.5kΩ