

PA603-01-01

ITEMS		MODEL	200S48-24	350S24-28	350S48-28
1	Nominal Output Voltage	V	24	28	28
2	Maximum Output Current	A	8.4	12.5	12.5
3	Minimum Output Current	A	0		
4	Maximum Output Power	W	201.6	350	350
5	Efficiency (Typ.)	(*1) %	80	81	84
6	Input Voltage Range	V	37 ~ 76	20 ~ 36	37 ~ 76
	Nominal Input Voltage	V	48	24	48
7	Input Current (Typ)	(*1) A	5.3	18.0	8.7
8	Inrush Current (Typ)	(*2) A	30		
9	Startup Time (Typ)	ms	100		
10	Output Voltage Range	%	-40, +10	-40, +18	-40, +18
11	Maximum Ripple & Noise	(*3) mV	240		
12	Maximum Line Regulation	(*4) mV	48		
13	Maximum Load Regulation	(*5) mV	400		
14	Over Current Protection	(*6) %	105 ~ 150		
15	Over Voltage Protection	(*7) %	125 ~ 145		
16	Over Temperature Protection	-	Shutdown (ON/OFF Control RESET or Manual RESET) Shutdown , Automatic recovery when unit cool down		
17	Hold-Up Time (Typ)	(*1) -	2ms		
18	Remote Sensing	(*8) -	Possible (Connect +S and -S terminals to load)		
19	Remote ON/OFF Control	-	Negative Logic (H: OFF, L: ON)		
20	Monitoring Signal	-	R(NO)		
21	Parallel Operation	-	-		
22	Redundant Operation	-	Possible (Built in OR-ing diode)		
23	Series Operation	-	Possible		
24	Operating Temperature	(*9) -	-20°C ~ 40°C (No Derating) 40°C ~ 70°C (See Derating Curve)		
25	Operating Humidity	%RH	30 ~ 95 (No dewdrop)		
26	Storage Temperature	-	-30°C ~ 85°C		
27	Storage Humidity	%RH	10 ~ 95 (No dewdrop)		
28	Cooling	-	Forced Air		
29	Temperature Coefficient	%/°C	±0.02		
30	Withstand Voltage	-	Input-Output: 1.5kVDC, Input-FG: 1.5kVDC (20mA) 1min. Output-FG: 500VDC (10mA) 1min Output-R: 168VDC (100mA) 1min		
31	Isolation Resistance	-	More than 100MΩ at 25°C,70%RH, Output to FG: 500VDC More than 10MΩ at 25°C,70%RH, Output to R: 100VDC		
32	Vibration	-	At no operating, 10~55Hz Amplitude (Sweep for 1min) 0.825mm constant (maximum 49.0m/s ²) X,Y,Z 1 hour each		
33	Shock (with packaging)	m/s ²	196.1		
34	Safety	-	Designed to meet IEC 60950-1, UL 60950-1 Designed to meet ISA12.12.01 (UL1604) Class I, Div 2		
35	EMI	-	Designed to meet VCCI-A, FCC-A, EN55011/EN55022-A		
36	Immunity	-	Designed to meet EN61000-4-2 (Level 2,3), -3 (Level 3), -4 (Level 3), -5 (Level 1), -6 (Level 3)		
37	Weight (Typ.)	g	1200		
38	Size (W x H x D)	mm	120 x 190 x 61 (Refer to Outline Drawing)		

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

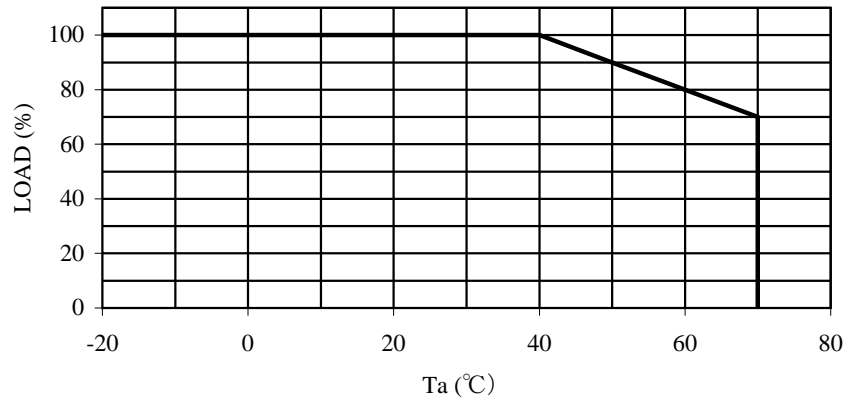
=NOTES=

- *1. At nominal input voltage, maximum output power, Ta = 25°C.
- *2. Not applicable for the in-rush current to Noise Filter for less than 0.2mS.
- At nominal input voltage and Ta = 25°C.
- *3. Ripple & noise are measured at 20MHz by using a 300mm twisted pair of load wires terminated with a 0.1uF film capacitor and a 47uF electrolytic capacitor.
- *4. Input voltage range with constant load.
- *5. No load ~ Full load, constant input voltage.
- *6. Current limiting with automatic recovery.
- *7. CNT reset or manual reset.
- *8. If remote sensing is not required, connect +S and -S to +VO and -VO respectively (Refer to instruction manual)
- *9. Refer to output derating curve (PA603-01-02_) for details of output derating versus ambient temperature.
- Load (%) is percent of maximum output power and maximum output current (Item 4 and 2 respectively).
Do not exceed derating of maximum output power and maximum output current.
- *10. All parameters NOT specifically mentioned are measured at nominal input voltage, maximum output power and Ta = 25°C.

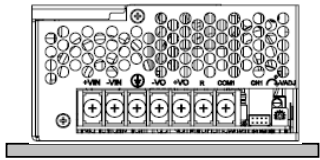
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OUTPUT DERATING CURVE:

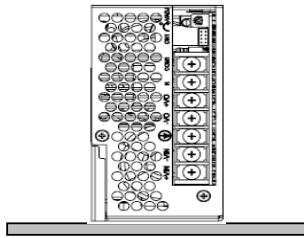
Ta (°C)	LOAD (%)
	Mounting A,B,C
-20~40	100%
70	70%



Mounting A



Mounting B



Mounting C

