

PAE100S48-\*/H

C178-01-01/H-A

SPECIFICATIONS

(This specifications sheet also apply to option model /V)

ITEMS		MODEL	PAE100S48-3R3/H
1	Nominal Output Voltage	V	3.3
2	Maximum Output Current	A	30
3	Maximum Output Power	W	99
4	Efficiency (Typ.)	(*1) %	90
5	Input Voltage Range	-	36 - 76VDC
6	Input Current (Typ.)	(*1) A	2.3
7	Output Voltage Accuracy	(*1) %	±1
8	Output Voltage Range	(*6) -	-20%, +10%
9	Maximum Ripple & Noise	(*6) mV	100
10	Maximum Line Regulation	(*2) mV	10
11	Maximum Load Regulation	(*3) mV	10
12	Over Current Protection	(*4) -	105% - 150%
13	Over Voltage Protection	(*5) -	115% - 135%
14	Remote Sensing	-	Possible
15	Remote ON/OFF Control	-	Possible (Short : ON, Open : OFF )
16	Parallel Operation	-	_____
17	Series Operation	-	Possible
18	Operating Temperature	(*7) -	Ta= -40°C - +85°C
19	Operating Humidity	-	5 - 95%RH (No Dewdrop)
20	Storage Temperature	-	-40°C - +100°C
21	Storage Humidity	-	5 - 95%RH (No Dewdrop)
22	Cooling	(*7) -	Convection Cooled / Forced air cooled
23	Temperature Coefficient (%)	-	Less than 0.02%/°C
24	Withstand Voltage	-	Input-Output : 1.5kVDC for 1min
25	Isolation Resistance	-	More than 100MΩ at 25°C and 70%RH Input-Output...500VDC
26	Vibration	-	At No Operating, 10-55Hz (Sweep for 1min.)
		-	Amplitude 0.825mm Constant (Maximum 49.0m/s <sup>2</sup> ) X, Y, Z 1 hour each
27	Shock	-	196.1m/s <sup>2</sup>
28	Weight (Typ.)	g	25
29	Size (W×H×D)	mm	22.76×8.5×57.9 (Refer to Outline Drawing)

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

=NOTES=

\*1. At 48VDC, maximum output current, Air Velocity = 2m/s and Ta = +25°C.

\*2. 36 - 76VDC, constant load.

\*3. No load - Full load, constant input voltage.

\*4. Constant current limiting.

(The unit automatically shutdown when left in OCP condition, with the output voltage less than the LVP level. )

Auto restart option available. (Refer to C178-01-02\_).

\*5. Inverter shutdown method, manual reset. Auto restart option available.

\*6. External components are needed for operation.

(Refer to basic connection (C178-01-02\_) and Instruction Manual.)

\*7. Refer to derating curve (C178-01-02/H\_) and Instruction Manual.

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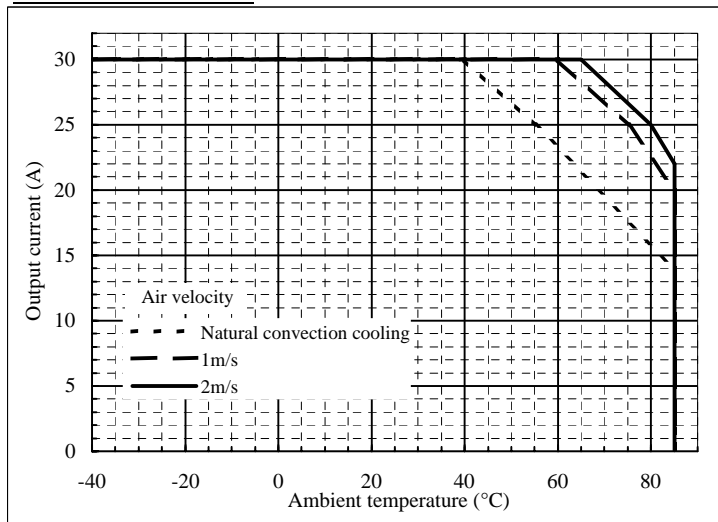
C178-01-02/H

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3. DERATING CURVE FOR STANDARD VERTICAL MOUNTING

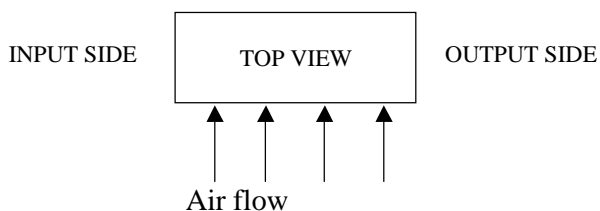
Vin=48Vdc

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MOUNTING AND AIR DIRECTION

AIRFLOW DIRECTION FOR STANDARD VERTICAL MOUNTING



==NOTES==

\*For other mounting methods, airflow directions and conditions, refer to Instruction manual.