

PAQ100S48-*

SPECIFICATIONS

C163-01-01A

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

ITEMS	MODEL		PAQ100S48-1R2	PAQ100S48-1R8	PAQ100S48-2R5	PAQ100S48-3R3	PAQ100S48-5
	1	Nominal Output Voltage	V	1.2	1.8	2.5	3.3
2	Maximum Output Current	A	25	25	25	25	20
3	Maximum Output Power	W	30	45	62.5	82.5	100
4	Efficiency (Typ.)	(*1) %	80	84	86	89	90
5	Input Voltage Range	-	36 - 76VDC				
6	Input Current (Typ.)	(*1) A	0.80	1.14	1.55	1.98	2.37
7	Output Voltage Accuracy	(*1) %	±1				
8	Output Voltage Range	(*8) -	-20%, +10%			±15%	
9	Maximum Ripple & Noise	(*8) mV	100	100	100	100	100
10	Maximum Line Regulation	(*2) mV	10	10	10	10	10
11	Maximum Load Regulation	(*3) mV	10	10	10	10	10
12	Over Current Protection	(*4) -	105% - 140% (Option availavle : Refer to option table)				
13	Over Voltage Protection	(*5) -	120% - 140% (Option availavle : Refer to option table)				
14	Remote Sensing	(*6) -	Possible				
15	Remote ON/OFF Control	-	Possible (Option availavle : Refer to option table)				
16	Parallel Operation	(*6) -	—				
17	Series Operation	(*6) -	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 ²) X, Y, Z 1 hour each				
27	Shock	-	196.1m/s ²				
28	Weight (Typ.)	g	50				
29	Size (W×H×D)	mm	36.8×8.5×57.9 (Refer to Outline Drawing)				

=NOTES=

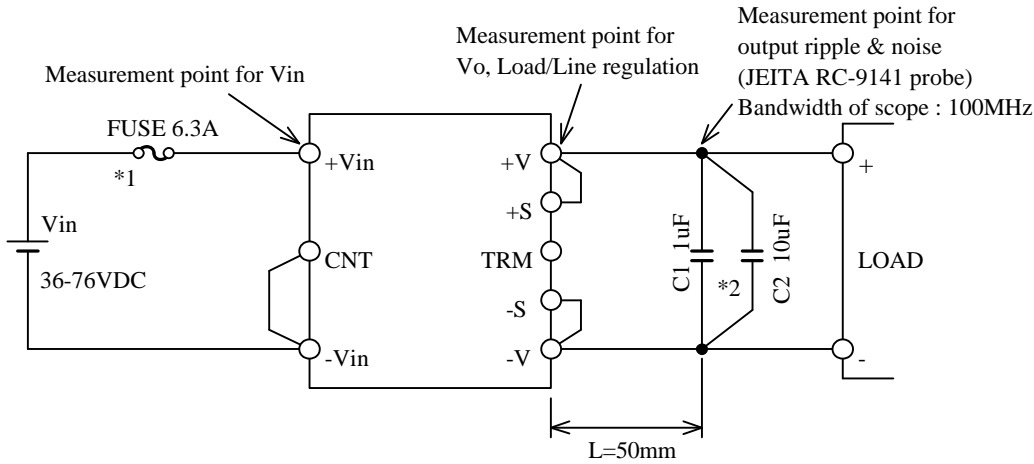
- *1. At 48VDC, maximum output current, Air Velocity = 2m/s and Ta = +25°C.
- *2. 36 - 76VDC, constant load.
- *3. No load - Full load, constant input voltage.
- *4. Constant current limiting.
(The unit automatically shutdown when left in OCP condition, with the output voltage less than the LVP level.)
Auto restart option available. (Refer to C163-01-02_).
- *5. Inverter shutdown method, manual reset. Auto restart option available.
- *6. Refer to Instruction manual (C163-04-01_ or C163-04-11_).
- *7. Refer to derating curve (C163-01-03_) and Instruction manual.
- *8. External components are needed for operation.
(Refer to basic connection (C163-01-02_) and Instruction manual (C163-04-01_ or C163-04-11_))

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C163-01-02B

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

1. BASIC CONNECTION



==NOTES==

- *1. Use an external fuse (fast blow type) for each unit.
- *2. Put output capacitors.
 C1: 1uF ceramic capacitor.
 C2: 10uF tantalum capacitor or electrolytic capacitor.
- *3. Refer to instruction manual for further details.

2. OPTION TABLE

Option	OVP, OCP	Remote ON/OFF control
Standard	Shut down (ON/OFF control reset or manual reset)	Negative (Short : ON, Open : OFF)
/V	Auto restart	
/P	Shut down (ON/OFF control reset or manual reset)	Positive (Short : OFF, Open : ON)
/PV	Auto restart	

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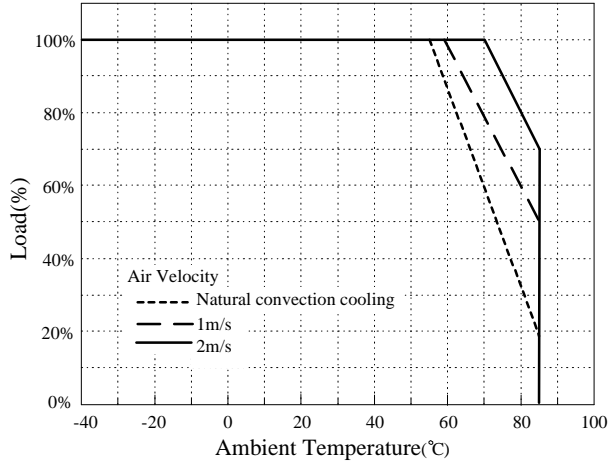
C163-01-03C

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

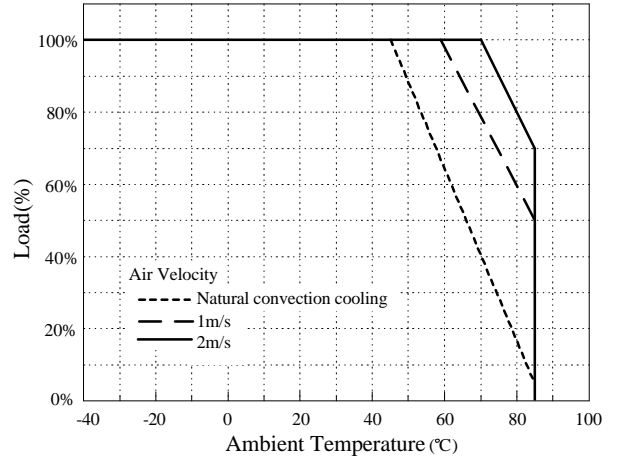
3. DERATING CURVE FOR STANDARD VERTICAL MOUNTING

Vin=48Vdc

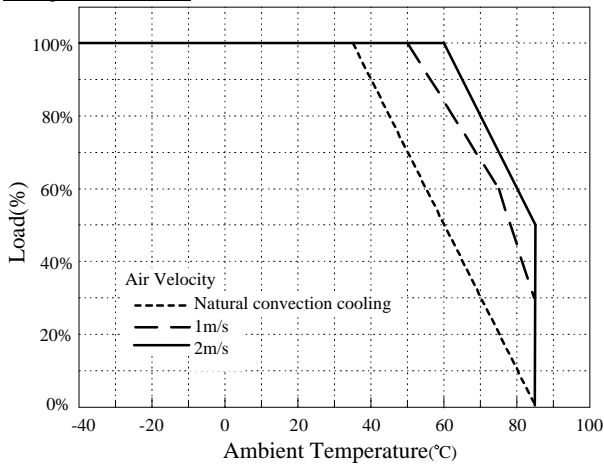
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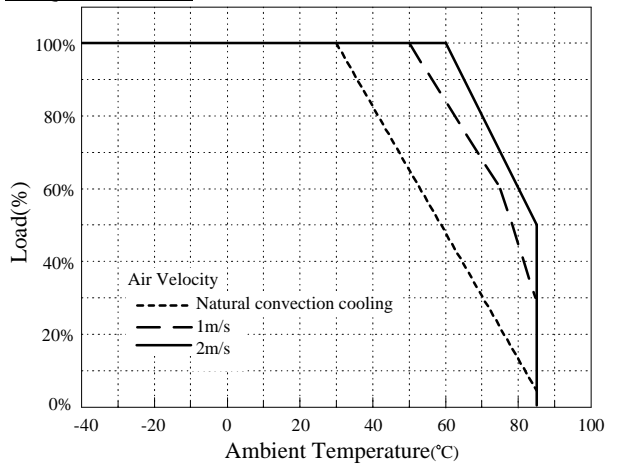
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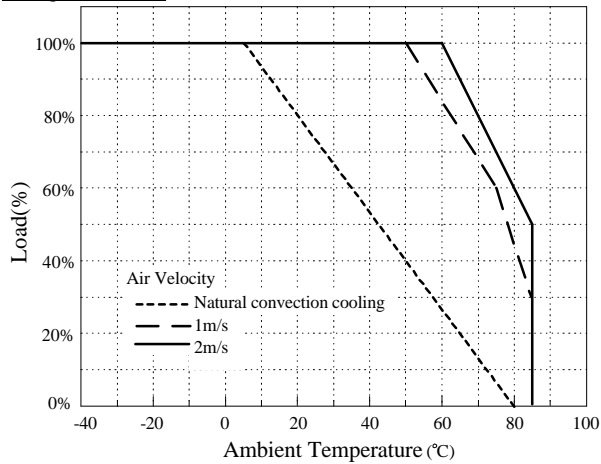
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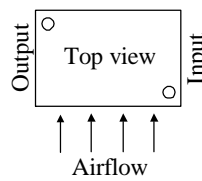
PAQ100S48-3R3



PAQ100S48-5



AIRFLOW DIRECTION FOR STANDARD VERTICAL MOUNTING



==NOTES==

*For other mounting methods, airflow directions and conditions, refer to Instruction manual (C163-04-01_ or C163-04-11_).