

PAH350S24-48

SPECIFICATIONS

C175-01-01/48

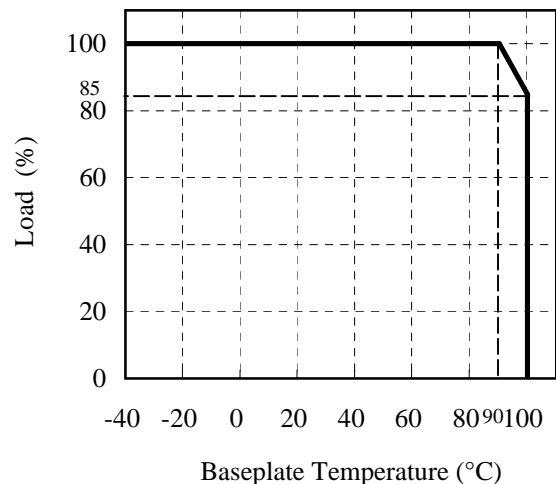
(This specification sheet also apply to option model /T)

MODEL		PAH350S24-48	
ITEMS			
1	Nominal Output Voltage	V	48
2	Maximum Output Current	A	7.3
3	Maximum Output Power	W	350.4
4	Efficiency (Typ.)	(*1) %	87
5	Input Voltage Range	-	18 - 36 VDC
6	Input Current (Typ.)	(*2) A	17.36
7	Output Voltage Accuracy	(*2) %	±2
8	Output Voltage Range	(*10) -	-40% , +10%
9	Maximum Ripple & Noise	(*10) mV	480
10	Maximum Line Regulation	(*3) mV	96
11	Maximum Load Regulation	(*4) mV	96
12	Over Current Protection	(*5) -	105% - 140%
13	Over Voltage Protection	(*6)(*9) -	115% - 140%
14	Remote Sensing	(*9) -	Possible
15	Remote ON/OFF Control	(*9) -	Possible (SHORT : ON OPEN : OFF)
16	Parallel Operation	(*9) -	-
17	Series Operation	(*9) -	Possible
18	Operating Temperature	(*7) -	-40°C - +100°C(Baseplate) Ambient Temperature min=-40°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	(*8) -	Conduction Cooled
23	Temperature Coefficient (%)	-	0.02%/°C
24	Withstand Voltage	-	Input-Baseplate : 1.5kVDC, Input-Output : 1.5kVDC for 1min. Output-Baseplate : 500VDC for 1min.
25	Isolation Resistance	-	More than 100MΩ at 25°C and 70%RH Output-Baseplate...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	100
29	Size (W x H x D)	mm	61 x 12.7 x 57.9 (Refer to Outline Drawing)

=NOTES=

- *1. At 24VDC, 80% of Maximum Output Current and Baseplate Temperature = +25°C.
- *2. At 24VDC and Maximum Output Current.
- *3. 18 - 36VDC, Constant Load.
- *4. No load - Full load, Constant input voltage.
- *5. Constant current limiting with automatic recovery.
- *6. Inverter shutdown method, Manual Reset.
- *7. Ratings - Refer to Derating Curve on the Right.
- Load(%) is Percent of Maximum Output Current.
- *8. Heatsink has to be Chosen According to Instruction Manual.
- *9. Refer to Instruction Manual.
- *10 External Components are Needed for Operation.
(Refer to Basic Connection and Instruction Manual)

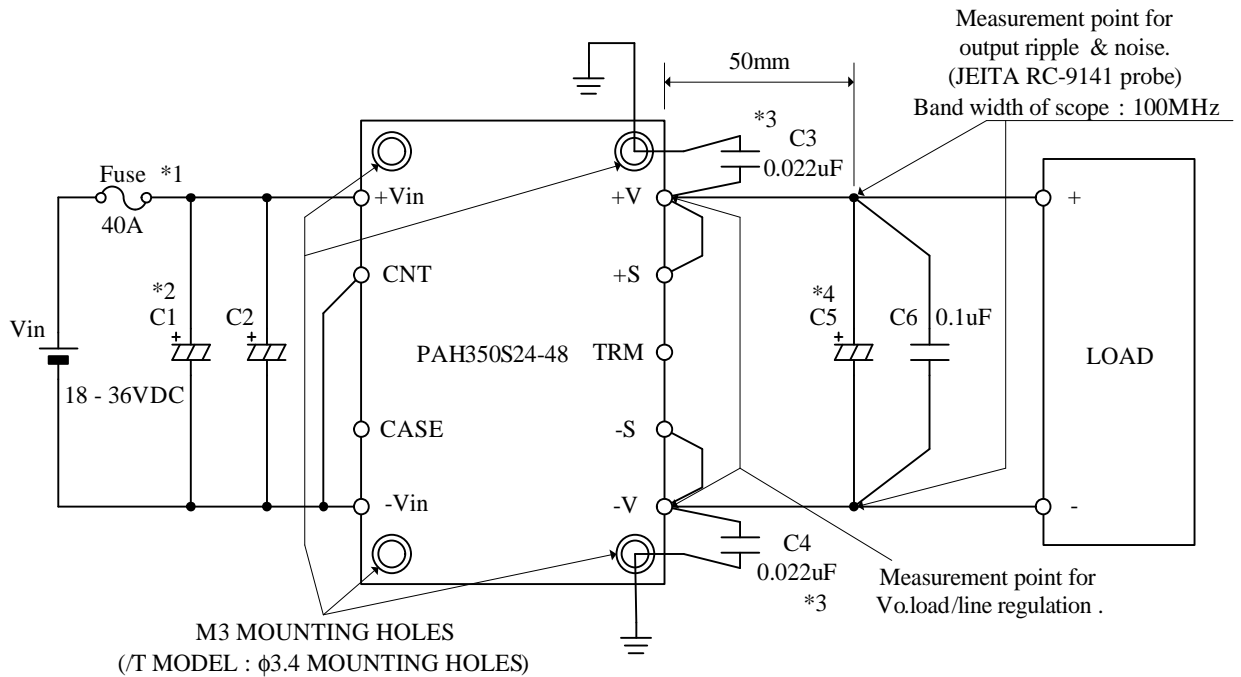
Derating Curve



PAH350S24-48

C175-01-02/48

BASIC CONNECTION



==NOTES==

- *1. Use an external fuse of fast blow type for each unit.
- *2. Put input capacitor, C1 and C2, more than 220uF each.
If the ambient temperature is less than -20°C , use twice of the recommended capacitor above.
If the impedance of input line is high, C1 and C2 capacitance must be more than above.
- *3. Connect capacitors between +V and the nearest M3 mounting hole and between -V and the nearest M3 mounting hole.
However, for cases where baseplate is connected to +V and -V, use the nearest M3 mounting hole.
For this type connection, C3 and C4 can be omitted.
- *4. Put output capacitor, C5 (48V: more than 120uF)
If the ambient temperature is less than -20°C , use 3 times pieces of the recommended capacitor above.
- *5. Refer to instruction manual for further details.