

## SPECIFICATIONS

C176-01-01/450

ITEMS		MODEL	PAF450F280-12	PAF450F280-24	PAF450F280-28	PAF450F280-48
1	Nominal Output Voltage	V	12	24	28	48
2	Maximum Output Current	A	38	19	16.5	9.5
3	Nominal Output Power	W	456	456	462	456
4	Efficiency (Typ.)	(*1) %	90	91	91	91
5	Input Voltage Range	-	200 - 400VDC			
6	Input Current (Typ.)	(*1) A	1.81	1.79	1.81	1.79
7	Output Voltage Accuracy	(*1) %	+/-1			
8	Output Voltage Range	(*9) -	-40%/ +20%			
9	Maximum Ripple & Noise	(*9) mV	120	240	280	480
10	Maximum Line Regulation	(*2) mV	48	56	56	96
11	Maximum Load Regulation	(*3) mV	48	56	56	96
12	Over Current Protection	(*4) -	105% - 140%			
13	Over Voltage Protection	(*5) -	125% - 145%			
14	Remote Sensing	(*8) -	Possible			
15	Remote ON/OFF Control	(*8) -	Possible (SHORT:ON OPEN:OFF)			
16	Parallel Operation	(*8) -	Possible			
17	Series Operation	(*8) -	Possible			
18	Operating Temperature	(*6) -	-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	(*7) -	Conduction Cooled			
23	Temperature Coefficient (%)	-	0.02%/°C			
24	Withstand Voltage	-	Input-Output: 3.0kVAC, Input-Baseplate: 2.5kVAC(20mA) 1min Output-Baseplate: 500VDC 1min			
25	Isolation Resistance	-	Output to Baseplate 500VDC more than 100MΩ(25°C,70% RH)			
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	200			
29	Size (W×H×D)	mm	61 x 12.7 x 116.8 (Refer to Outline Drawing)			

=NOTES=

\*1. At 280VDC, Nominal Output voltage, Maximum Output Current and Baseplate Temperature = +25°C.

\*2. 200 - 400VDC, Constant Load.

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

\*4. Constant current limiting with automatic recovery.

\*5. Inverter shutdown method, Manual Reset.

\*6. Ratings - Refer to Derating Curve (C176-01-03/450\_).

- Load(%) is Percent of Maximum Output Current.

\*7. Heatsink has to be Chosen According to Instruction Manual.

\*8. Refer to Instruction Manual.

\*9 External Components are Needed for Operation.

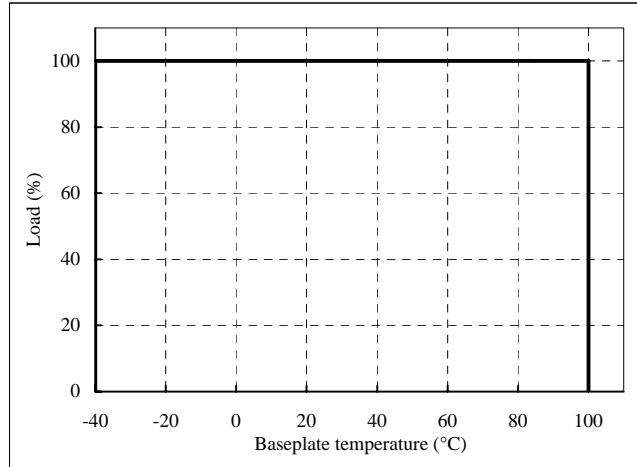
(Refer to Basic Connection and Instruction Manual)

PAF450F280-\*

C176-01-03/450-A

DERATING CURVE

PAF450F280-12,24,28



PAF450F280-48

