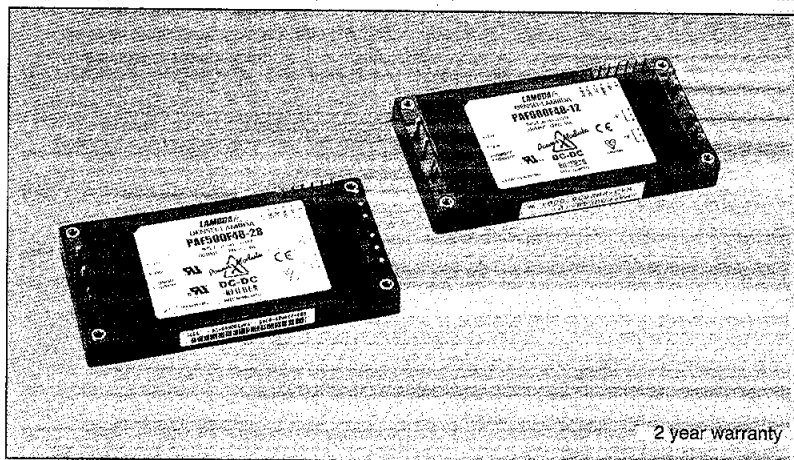


PAF-SERIES

High Power DC-DC Module 500W ~ 700W

LAMBDA
DENSEI-LAMBDA



Model name

PAF 700 F 48-12/

Series Name Function F: Full function Standard output voltage Option: blank: Standard T: Through hole type
Output Wattage Standard input voltage

Features

- Full-brick type DC-DC Power Module suitable for information and telecommunication equipment
- Intensive control circuit, Zero Voltage Switching (ZVS)
- High efficiency, low noise, high power density, good cost performance
- Maximum output power density: up to 5.53W/cm³
- Wide input voltage range: DC36-76V
- Wide operation temperature range:
 - 1) Base plate temperature range: -40°C ~ +100°C
 - 2) Conduction cooling system available for adjusting radiating method conforming to the shape of the devices

Specifications

1. Input voltage range	See Product line up Chart below.
2. Output voltage range	3.3V&5V type : -40 ~ +20% , 12V&28V type : -40 ~ +10%
3. Parallel operation	Possible. Output current balancing (PC)
4. Line regulation	3.3V&5V type : 10mV , 12V type : 24mV , 28V type : 56mV within nominal input voltage range at constant load
5. Load regulation	3.3V&5V type : 10mV , 12V type : 24mV , 28V type : 56mV no load to full load at constant input voltage
6. Cooling	Conduction cooling
7. Operating temperature	-40°C ~ +100°C (Baseplate) Ambient temperature min=-40°C
8. Withstand voltage	Input-output : 1.5kVDC, Input-chassis : 1.5kVDC, Output-chassis : 500VDC for 1 min
9. Safety standard	PAF500F: Approved by UL1950 , CSA950 and EN60950 PAF600F, PAF700F48: Approved by UL60950 , CSA60950 and EN60950
10. CE marking	Conforms to low voltage directive
11. Functions	Over voltage protection, Over current protection, Thermal Protection, Remote on/off control, Inverter good signal(IG), Auxiliary power supply for external signal(AUX)

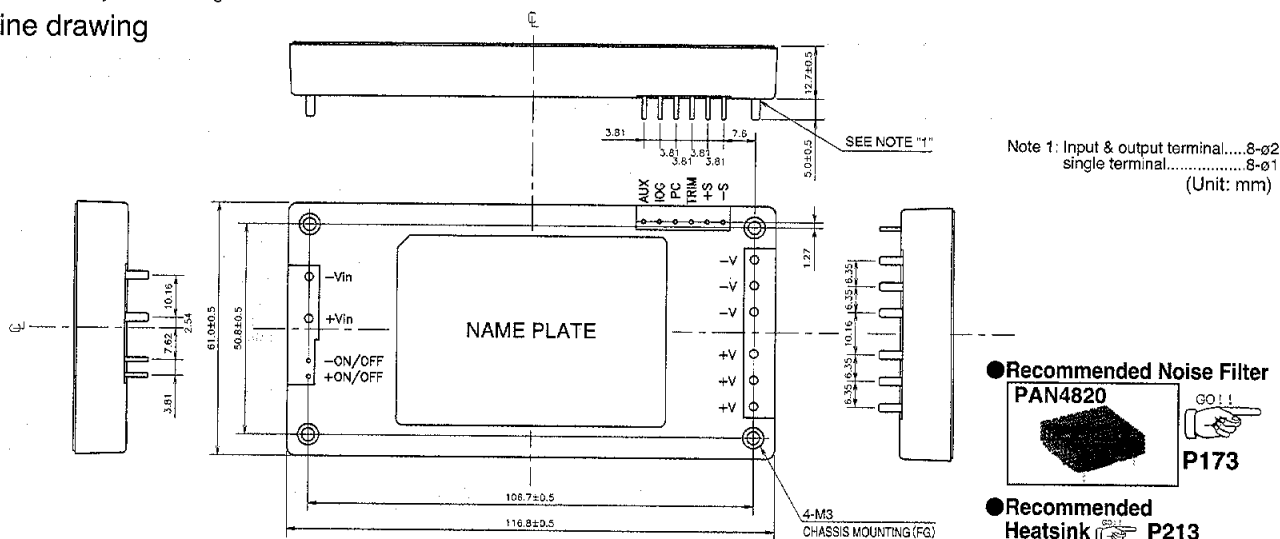
Product lineup

Model name	Input voltage	Output voltage	Output current (max)	Output power	Efficiency	UL	CSA	EN
PAF500F24 (input 24VDC)	PAF500F24-12	19 ~ 36V	12V	42A	504W	89%	○	○
	PAF500F24-28	18 ~ 36V	28V	18A	504W	90%	○	○
PAF500F48 (input 48VDC)	PAF500F48-3.3	36 ~ 76V	3.3V	80A	264W	78%	○	○
	PAF500F48-5	36 ~ 76V	5V	80A	400W	83%	○	○
	PAF500F48-12	36 ~ 76V	12V	42A	504W	89%	○	○
	PAF500F48-28	36 ~ 76V	28V	18A	504W	90%	○	○
PAF600F24 (input 24VDC)	PAF600F24-12	20 ~ 36V	12V	50A	600W	89%	○	○
	PAF600F24-28	19 ~ 36V	28V	21.5A	602W	89%	○	○
PAF600F48 (input 48VDC)	PAF600F48-12	36 ~ 76V	12V	50A	600W	89%	○	○
	PAF600F48-28	36 ~ 76V	28V	21.5A	602W	90%	○	○
PAF700F48 (input 48VDC)	PAF700F48-12	36 ~ 76V	12V	58.5A	702W	90%	○	○
	PAF700F48-28	36 ~ 76V	28V	25A	700W	91%	○	○

- Request customer specification for further details of specifications, outline, characteristics, etc. Read the instruction manual before usage.
- Contact us about delivery before ordering.

○ : Safety standard approved

Outline drawing



Power Module