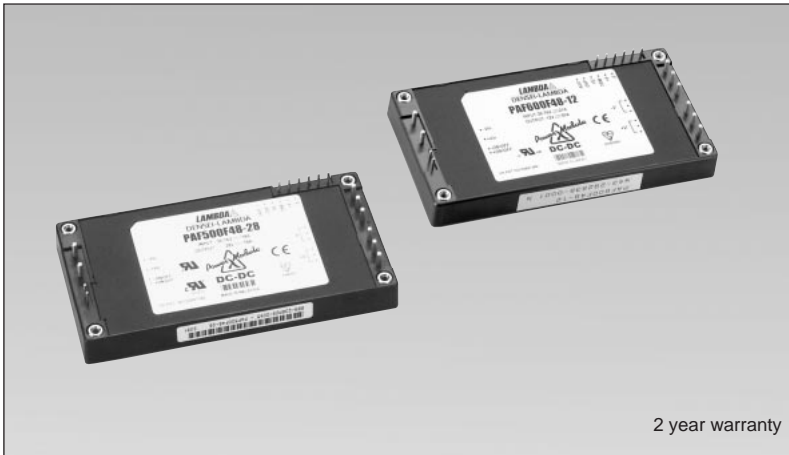


# PAF-SERIES

High Power DC-DC Module 500W ~ 700W



2 year warranty

## 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/cm<sup>3</sup>
- 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<br>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 (IOG), 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<br>(input 24VDC) | PAF500F24-12  | 19 ~ 36V       | 12V                  | 42A          | 504W       | 89% | ○   | ○  |
|                            | PAF500F24-28  | 18 ~ 36V       | 28V                  | 18A          | 504W       | 90% | ○   | ○  |
| PAF500F48<br>(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<br>(input 24VDC) | PAF600F24-12  | 20 ~ 36V       | 12V                  | 50A          | 600W       | 89% | ○   | ○  |
|                            | PAF600F24-28  | 19 ~ 36V       | 28V                  | 21.5A        | 602W       | 89% | ○   | ○  |
| PAF600F48<br>(input 48VDC) | PAF600F48-12  | 36 ~ 76V       | 12V                  | 50A          | 600W       | 89% | ○   | ○  |
|                            | PAF600F48-28  | 36 ~ 76V       | 28V                  | 21.5A        | 602W       | 90% | ○   | ○  |
| PAF700F48<br>(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

