

PFE300-700 SERIES

AC / DC Single Output: 300~700 Watts



Features

- Full brick AC/DC Power Module in one package
- Harmonic input correction: EN61000-3-2
- Universal input 85~264vac with PFC
- Fully regulated outputs: 12v, 28v, 48v PFE500
- Unregulated 50-57vdc output: PFE700
- Wide baseplate temperature -40°C to +100°C
- OVP, OCP and Over temperature protection
- Safety UL1950, EN6950
- Fully isolated input-output
- External components required for operation, refer to instruction manual.
- PCB mounting
- Suitable for battery charging applications.

Specifications: PFE300 / 500

Input Voltage	85 ~ 264 VAC
Input Frequency	47 ~ 63Hz
Input Current	4A/2A: 300W 6.2 / 3.2A : 500W (100/200Vac)
Power Factor	Typically 0.95
Inrush Current	20 / 40A (100/200Vac)
Output Voltage	12v, 28v, 48v Adjustment: ±20% of nominal
Output Power	300 ~ 500 watts
Efficiency	Model dependant 82~86%
Ripple & Noise	Typically 1% of Vout
Line Regulation	12v: 48mV 28v: 56mV 48v: 96mV
Load Regulation	12v: 48mV 28v: 56mV 48v: 96mV
Over current Protection	Constant current , set @105~140% of with auto recovery
Over voltage Protection	Set @ 125~145% of Vout, Inverter Shutdown
Over temp protection	Yes (refer to manual)
Parallel Operation	No
Remote Sense	Yes
Operating Temp.	12V: -40°C to +85°C Baseplate temperature 24/48V: -40°C to +100°C Baseplate temperature
Humidity	20-95% RH
Cooling	Conduction cooled
Isolation Voltage	Input-Output: 3kvac, Input-Baseplate: 2.5kvac Output-Baseplate: 1.5kvac
Shock & Vibration	196m/S ² . Amplitude 0.825mm constant (max 49m/s ²) X, Y, Z 1 hour.
Size & Weight	117 x 61 x 12.7mm 250g

Specifications: PFE700

Input Voltage	85 ~ 264 VAC
Input Frequency	47 ~ 63Hz
Input Current	8.8 / 4.4A (100/200Vac)
Power Factor	Typically 0.95
Inrush Current	20 / 40A (100/200Vac)
Output Voltage	51v (50 ~ 57 unregulated)
Output Power	714 watts
Efficiency	Typically 88%
Ripple & Noise	4V
Line Regulation	50~57V
Load Regulation	50~57V
Over current Protection	Constant current , set @105~140% of with auto recovery
Over voltage Protection	Set @ 125~145% of Vout, Inverter Shutdown
Over temp Protection	Yes (refer to manual)
Parallel Operation	Yes (refer to manual)
Operating Temp.	-40°C to +100°C Baseplate temperature
Humidity	20-95% RH
Cooling	Conduction cooled
Isolation Voltage	Input-Output: 3kvac, Input-Baseplate: 2.5kvac Output-Baseplate: 1.5kvac
Shock & Vibration	196m/S ² . Amplitude 0.825mm constant (max 49m/s ²) X, Y, Z 1 hour.
Size & Weight	117 x 61 x 12.7mm 250g

Model	Output		Power W
	V	A	
PFE300-12	12V	25.0A	300W
PFE300-28	28V	10.8A	300W
PFE300-48	48V	6.3A	300W
PFE500-12	12V	33.0A	396W
PFE500-28	28V	18.0A	504W
PFE500-48	48V	10.6A	504W

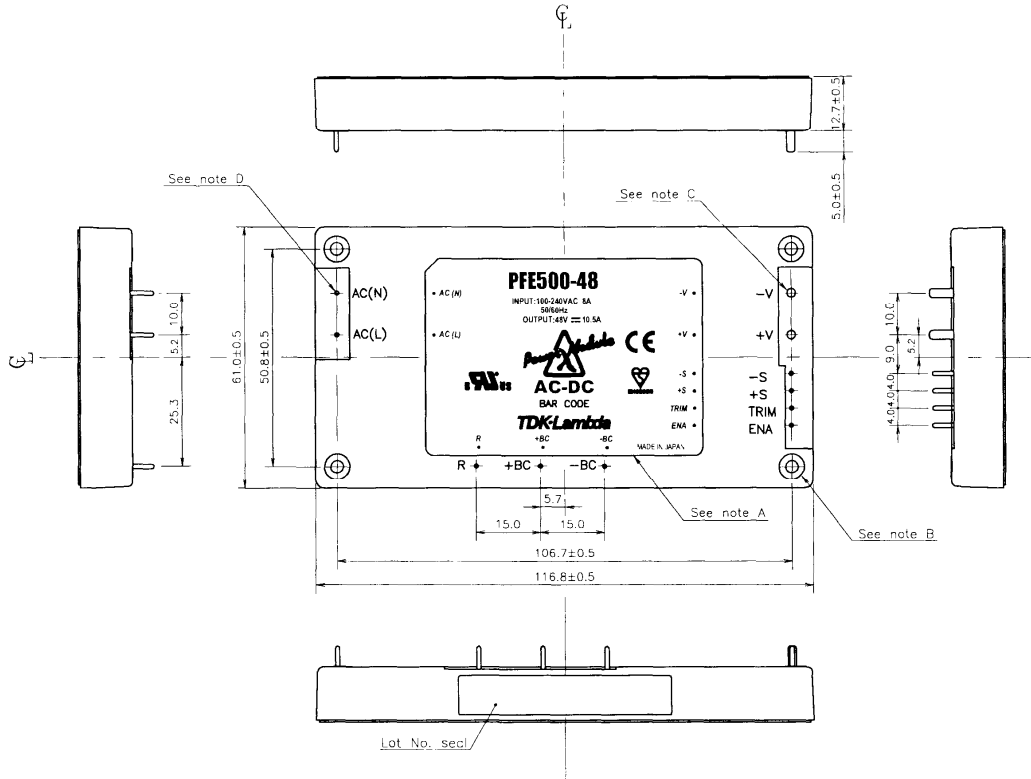
Model	Output		Power W
	V	A	
PFE700-48	51V	14A	714W

- **Manual & Full Application notes available from our website or contact our office.**

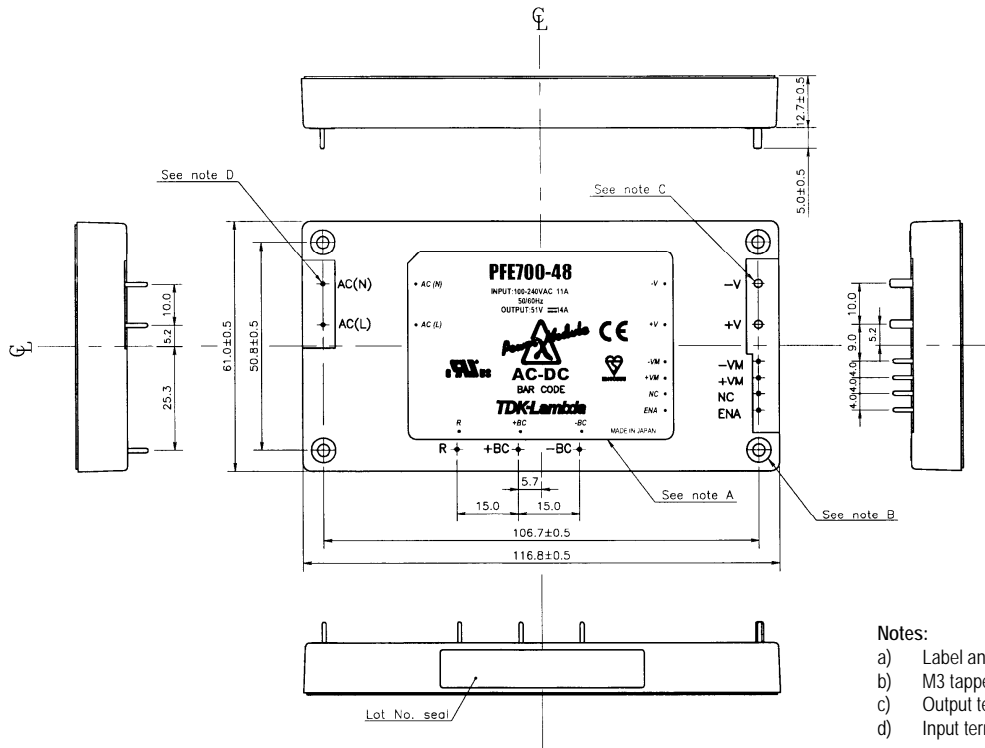
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PFE300 / 500



PFE700



Notes:

- a) Label and specifications
- b) M3 tapped holes for mounting & FG
- c) Output terminals 2-02
- d) Input terminals 9-01