

FB-PSU-48V5A

AC Adapter, 48V, 5A, 240W



Picture 1 FB-PSU-48V5A

Key features

- Built-in active PFC function $PF > 0.9$,
- No load power consumption $< 0.5W$
- Fanless design with $-30 \sim +70^{\circ}C$ working temperature
- Fully enclosed plastic case
- Global Certificates
- Case Material: PC.
- Universal AC input / Full range
- Fully sealed by ultrasonic welding
- Protection: Over Load/ Over Voltage/ Over Current /Over Temp/ Short - Circuit
- LED indicator show work status(blue or green)
- Meet Energy Efficiency VI, Comply with CEC VI, DOE VI.



Specification:

Model number

FB-PSU-48V5A

Output Voltage

48V

Output Current

5A

Ripple & Noise

$< 200mV$

Voltage Accuracy

$\pm 2\%$

Line Regulator

$\pm 1\%$

Load Regulation

$\pm 5\%$

% EFF (typ)

90%

Detailed technical specification

INPUT

PARAMETER	NOTES and CONDITIONS	Min.	Max.	Units
Operating Voltage Range		100	240	Vac
Input Frequency Range		47 63		
Maximum Input Current	100% Load, Vin=100Vac		4.0	A
Leakage Current (Touch)			100	uA
Under Voltage Protection		48 67		Vac
Inrush Current	Vin=240Vac , Cold start at 25C		80	A

OUTPUT

PARAMETER	CONDITIONS	Min.	Typ.	Max.	Units
Regulation			±5%		Vac

PROTECTIONS

PARAMETER	NOTES and CONDITIONS	Min.	Typ.	Max.	Units
Over voltage protection	output latch off			150	%
Over current protection	output shut down, auto recovery	180			%
Short circuit protection	output shut down, auto recovery	180		4.0	%

All parameters are specified at 25° C ambient for all products unless otherwise indicated.

PROTECTIONS

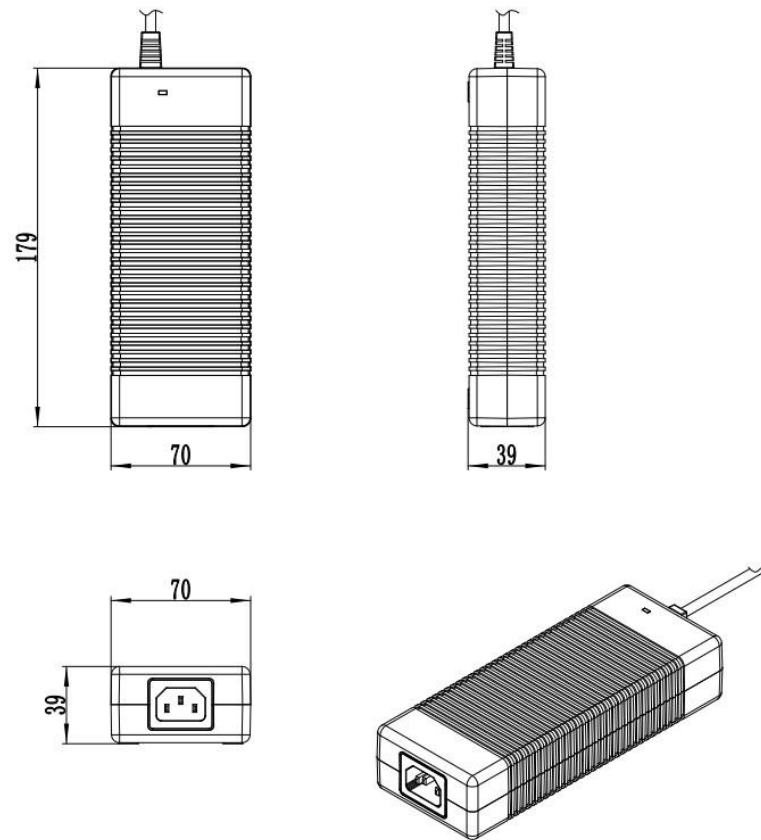
PARAMETER	NOTES and CONDITIONS	Min.	Typ.	Max.	Units
Isolation voltage	input to output at 10 mA for 1 minute		3000		Vac
	input to frame ground at 10 ma for 1 minute		1500		Vac
Isolation resistance	input to output at 500 Vdc			10	MΩ
	input to frame ground at 500 Vdc			10	MΩ
Safety approvals	UL/cUL (60950-1, 62368-1), PSE, LPS, UKCA				
EMI/EMC	FCC Part 15B Class B, CE				
MTBF	as per Telcordia SR-332, 25°C	50000			Hours
RoHS	YES				

PROTECTIONS

PARAMETER	NOTES and CONDITIONS	Min.	Typ.	Max.	Units
Operating temperature	Output models	-40		60	°C
Storage temperature	Non-condensing	-20		80	°C
Operating humidity	non-condensing	20		80	%
Storage humidity	non-condensing	10		90	%

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Mechanical Specification (mm)



Picture 2 AC Adapter

DC plug



Picture 3 DC plug

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