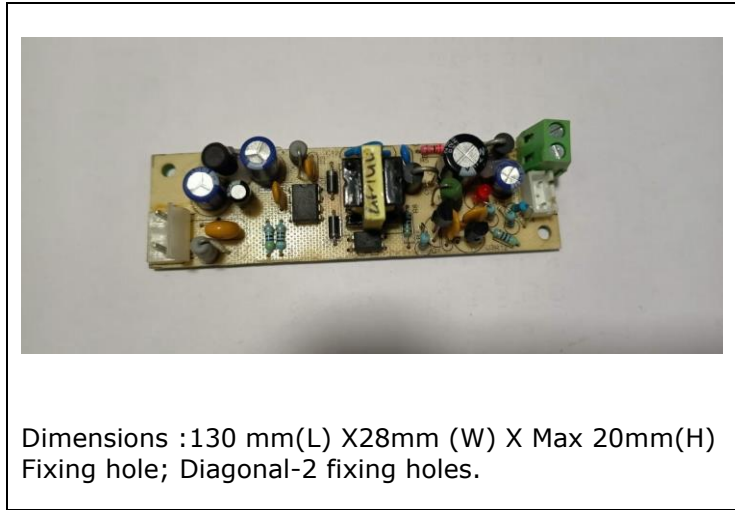


# DATASHEET

**MODEL: NA-4348 SERIES Open module AC-DC** .  
Power supply/Battery charger up to 10W

## Salient features

- ❖ **Wide input operating voltage**
- ❖ **Integrated thermal shutdown & auto recovery**
- ❖ **Short circuit protection**
- ❖ **Less weight makes easy transportation**
- ❖ **Efficiency Greater than 75%**
- ❖ **Meets world class safety standards**
- ❖ **No load power consumption less than 0.3 watts.**
- ❖ **CV/CC charger with Output voltage adjustment.**
- ❖ **Output ON Indication.**



Dimensions :130 mm(L) X28mm (W) X Max 20mm(H)  
Fixing hole; Diagonal-2 fixing holes.

## Specifications

### Input specifications

Input Voltage	:	100V – 300 V ac
Input frequency	:	47 Hz – 63 Hz
Inrush Current	:	<25A
Maximum input current	:	0.25 Amp

### Output Characteristics

Output voltage range adjustable	:	2V – 48V DC
Output current range	:	0.25A-2Amps
Output power	:	15 Watts max
Ripple	:	< 1% of Output voltage
Noise	:	< 2% of Output voltage

### Environmental

Operating Temperature	:	0°C to 50°C
Storage Temperature	:	-20°C to 70°C

### Protections

- Fuse ,MOV & EMI filter for Input Over current& surge/Spike protection
- Output over load/Short circuit protection
- Over Temperature protection

# DATASHEET

## Safety Requirements

- Insulation Resistance; >10M $\Omega$  at 500Vdc
- Break down(High voltage Insulation) test: 2.5KV
- Meets requirements of Safety standards 60950-1.

## EMI/EMC Requirements

- Meets  $\pm 1$ kV Electric Fast transient (EFT) as per IEC 61000-4-4 standard
- Meets surge Protection up to 2.0KV as per IEC 61000-4-5 standard
- Meets CE requirements of Class A limits as per EN 55022 standards.

## Input & Output Connections.

- Input termination; 3 Pin, 3.94mm molex Connector On Left hand side of PCB module.
- Output termination; 2Pin Screw type terminal Connector On Right hand side of PCB module
- PCB Material; CEM1 or Glass Epoxy material.

<b>RATING CHART</b>			
<b>SL.NO</b>	<b>MODEL NO</b>	<b>Adj. O/P voltage range</b>	<b>OUTPUT CURRENT</b>
01	NA-4348-025 005Adj	2.5-5.0V	1.5Amp Max
02	NA-4348- 070 095 Adj	7.0-9.5V	1.0Amp Max
03	NA-4348- 012 017Adj	12.0-17.0V	0.75Amp Max
04	NA-4348- 024 030Adj	24.0-30.0V	0.50Amp Max
05	NA-4348- 035 042Adj	35.0-42.0V	0.20Amp Max
06	NA-4348- 040 048Adj	40.0-48.0V	0.15Amp Max