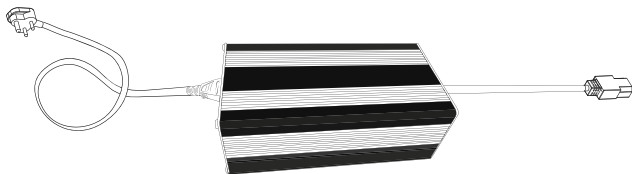


## User Instruction

# Manual



**Important:** Before connecting AC supply please ensure battery is connected to the charger for appropriate functioning of control circuit.

1. All designated users of the battery charger must read and understand the contents of this manual before operating the battery charger
2. Do not tamper or open the charger. warranty will be void if tampered or opened

## **Warranty terms and conditions**

1. Warranty is applicable for a period of one year from the purchase date
2. Warranty voids if ,
  - a) Defect arising due to misuse of the unit ,damages due to liquid or semisolid ingress or physical abuse.
  - b) The unit is tampered with , altered or repaired by unauthorized persons.
  - c) The serial number of the unit is deflected , defaced or altered rendering it difficult to identify the product.
3. Plastic components like cables , fans etc. will not be treated warranty coverage.
4. The defective unit shall be taken to PURE authorized service center during normal working hours.
5. Faulty parts or components replaced while servicing , becomes the property of PURE / service center and will not be returned to the customer.
6. In the event of any dispute arising out of above mentioned terms and conditions , the same shall be submitted to the single arbitrator , to be appointed by PURE and the award / decision of such arbitrator shall be final and binding on both the parties .The venue for such arbitration proceeding shall be in Hyderabad.
7. Customer hereby agrees that repaired charger shall be collected within 30 days of repair else PURE may take necessary disposal process without any information.

# **Index**

- 1.General
- 2.Charger Carrying & Orientation Instructions
- 3.Indication Details
- 4.Working Principle
- 5.Instructions for Servicing
- 6.Safety Instruction

## 1. General

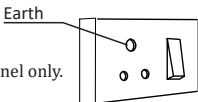
### 1.1 General Description:

This battery charger is for charging Li-ion batteries only. This charger is electronically protected against over current, short circuit and reverse battery connection. The charging profile is constant current followed by a forced taper, while sensing voltage to evaluate 100% charge condition.

### 1.2 General Instruction:

The charger input should be connected through a proper earth connection.

a) Servicing should be done by authorized personnel only.

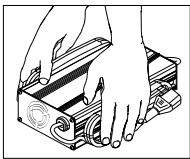
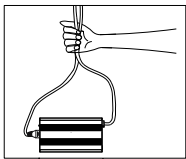


### 1.3 Technical Specification:

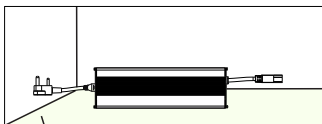
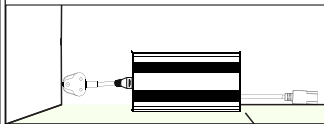
- |                             |                          |
|-----------------------------|--------------------------|
| a) Input voltage/ Frequency | : 180V - 270VAC, 50/60Hz |
| b) Max O/P current          | : 10A $\pm$ 0.2A         |
| c) Max O/P voltage          | : 67.2V $\pm$ 0.2V       |
| d) Battery type             | : Li-ion (NMC)           |
| e) Charger Operating temp.  | : 0° to 50° C            |

## 2. Charger Carrying & Orientation Instructions

### 2.1 Charger Carrying & Storage



### 2.2 Charger Orientation while using



Floor Surface Area

### 3. Indication Details

- |                    |                                     |
|--------------------|-------------------------------------|
| a) Mains on        | : LED Blink in Green Colour         |
| b) Charging        | : LED glows in Consant Red Colour   |
| c) Full charged    | : LED glows in Consant Green Colour |
| d) Fault           | : LED blinking                      |
| e) LED not glowing | : Mains failure or charger fault.   |

## 4. Working Principle

### 4.1 Charging Process:

- a) CC mode (Constant current): In this mode, charger gives O/P of continues 10A+/-0.2A till the charger voltage reaches the set voltage value.
- b) CV mode (Constant voltage): After CC mode when the charger voltage reaches set voltage value, charger O/P current gradually starts decreasing from 10A to 1A.
- c) Full charge mode: when the charger O/P current drops below 1A, charger goes into full charge mode.

### 4.2 Operating Procedure:

- a) Connect the charger output to the battery inlet.
- b) After connecting battery connect the AC 3 pin plug to power supply.
- c) When switch on the input Power supply, LED will glow in Green Color then it Changes to Red and start charging the Li-ion battery.
- d) Once the battery is fully charged, the charger goes into full charge mode and cuts off the battery internally.

## 5. Instructions for Servicing

When the charger is not functioning or for any query follow below instructions:

- a) Call at toll free No: 1800 212 6440
- b) Our service team will guide you whether charger to be sent back for repair or can be serviced near your location.
- c) Dispatch the charger only on receipt of our advice, securely packed in original packing along with a copy of details of the fault.

## 6. Safety Instruction

### **Important:**

- a) Please don't open the charger to repair by yourself (High voltage inside)
- b) Please don't change power supply cables by yourself.
- c) AC power supply is with three core cable which has earthing wire. Ensure proper earthing, before connecting.
- d) Please do not expose charger to wet conditions.
- e) Insert DC socket tightly. If damaged, replace at our service centre.
- f) Turn off the charger if any abnormal noise or burning smell is observed.
- g) Dial Customer Care No. 1800 212 6440 for any assistance.
- h) Please do not alter the cable lengths.
- i) Please don't obstruct airways of the charger.
- j) Disconnect power supply and connector before relocating the charger
- k) This charger is suitable only for Li-ion batteries with 60V nominal - voltage (67.2V Max).
- l) For disconnecting Charger from the battery, do not pull the cables, pull the connectors.

## **PuR Energy Private Limited**

H. No 10-38/2, Survey no 424/AA3, Beside Arya College of Pharmacy  
Near IIT Hyderabad, Kandi Village, Sangareddy, Pin Code: 502285

Customer Care: 1800 212 6440