



 PURE

CHARGING POINT INSTALLATION  
GUIDELINES

## ABOUT

The charger provided with the Li-Ion battery is sophisticated and is a special purpose electronic charger. This charger has an additional safety feature which provides protection from output overvoltage, output overcurrent and short-circuit. The charger is designed to charge only PURE EV specific to the model.

It is mandatory to meet the charging point requirements as mentioned further in this manual. This is to ensure optimum performance, maintain the battery health and safety.

## INFRASTRUCTURE REQUIREMENTS

### Parking area:

- Vehicle must be parked away from water and fire sources. Vehicle parking should be easily accessible and must be of minimum 7ft X 4ft.
- Exposure to direct sun-light & rain shall be avoided

### Sanctioned Load

- Consumer must have spare 0.75kW load. This can be ensured by verifying electricity bill of the previous month. (Recorded Maximum Demand < Sanctioned Load)

## Infrastructure Requirements

### Healthy Earthing

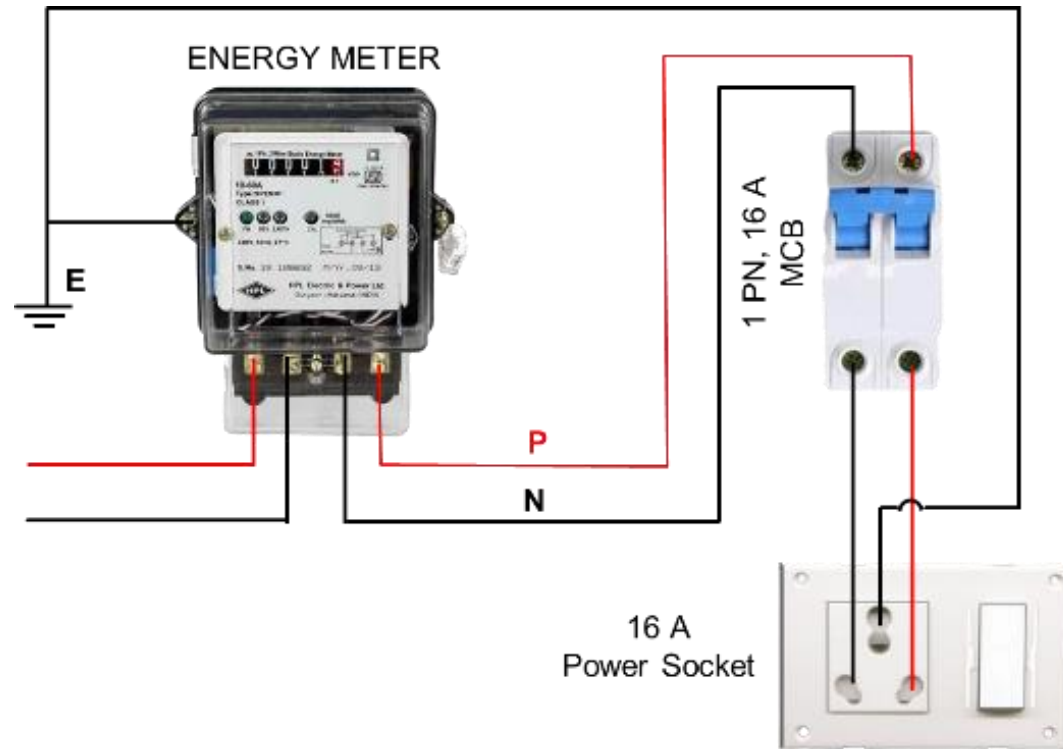
- A proper earthing must be ensured by any of the following methods,
  - ✓ Pipe Earthing
  - ✓ Cu Rod Earthing
  - ✓ Plate Earthing
- AC Voltage Between Neutral (N) & Earth (E) must be  $\leq 2V$
- Resistance Between Neutral (N) & Earth (E) must be  $\leq 5 \Omega$

### Healthy Voltage Requirement:

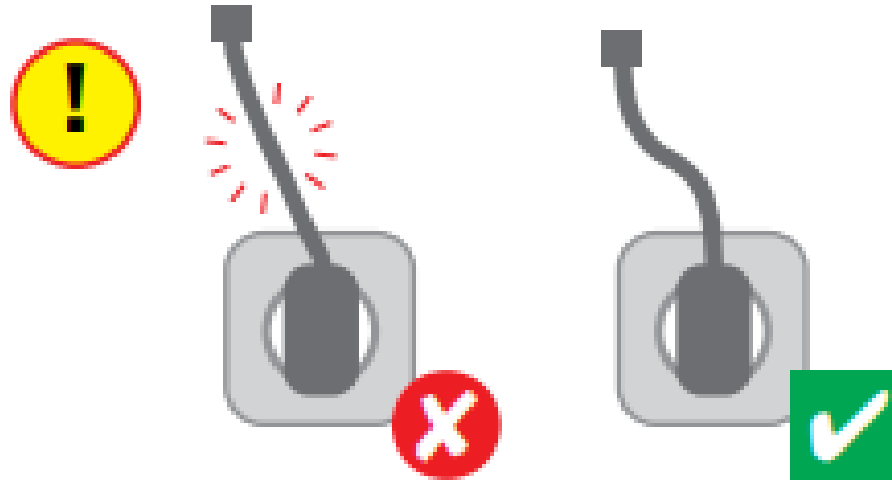
- AC Voltage between Phase (P) & Neutral (N) must be  $230V \pm 10\%$

Sr. No.	Essential Requirements	Specifications	Remark
1	AC Input Cable	3-Core, 1.5sqmm, Copper conductor, PVC insulated, PVC sheathed as per IS:9938/1981 with ISI mark	Length should not be more than 5 m from energy Meter
2	Voltage Stabilizer	Current rating: 16 A Voltage Rating: 180-270 V	Recommended
3	PVC Box Socket	Current rating: 6 - 16 A	
4	Flexible Conduit and Clamp	Size: $\geq 16$ mm	
5	MCB	2 NOS <b>Specifications:</b> 1P 240V, 16A MCB or 1PN 16A MCB Curve Characteristics: B or C Breaking Capacity: $\geq 6$ kA	**Recommendation: Anchor, Havells, Legrand, HPL, ABB

\*\* Brands are mentioned just for recommendation purpose only, it is advisable to follow the electrical guidance for installation  
Charging Point Installation Guideline



- The charger requires a single-phase connection with Earthing.
- Locate the nearest power source to avoid laying down a huge network of cables.
- The use of a stabilizer is recommended\* to ensure safety of the device.
- The regulated supply must be available at a commercial socket with a power switch of 16A.



**Tip:** Be sure the power cord has a gentle curve but is not stretched.

- The socket must be installed at the min. height of 4 feet above ground surface.
- The use of a stabilizer is recommended to ensure safety of the device.
- The regulated supply must be available at a commercial socket with a power switch of 16A



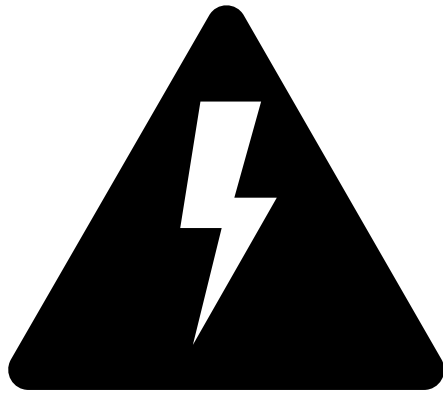
## PRECAUTIONS

- The phenomenon of sparking is normal when it connects to the battery because of the high current.
- The battery may be damaged if LED2 does not change to green even after charging for a long time.
- Always place the charger in well-ventilated and dry environments.
- Do not cover it to avoid the case from being overheated while charging.
- Do not disassemble charger. Take it to an authorized service person when service or repair is required



## **SAFETY INFORMATION**

- Ensure the proper availability of Earthing at the place of Installation.
- Make sure all electrical equipment are well grounded.
- Use the correct cable size as suggested to avoid overheating, corrosion & breakdown. Do not use worn, damaged, or non-Insulated cables.
- Make sure all electrical connections are clean, dry, insulated and tightly secured.
- Always plug & unplug power cords at switch off state slowly & safely.
- Keep charging point out of reach from children without adult supervision, the connection must be at 4 Feet above the ground.
- Do not operate your Charger/Socket if there is visible damage to the unit or charging cord.
- Do not install Charger/Socket near flammable, explosive, or combustible materials.
- Do not operate the Charger/Socket at high temperatures, and do not expose it to direct sunlight.



## DANGERS

- Electrical shock Hazard! Earthing of charger is compulsory, if not connected to earth it may result in hazardous situation.
- Connect charger input power cord to an outlet that has been properly installed and grounded.
- Do not touch uninsulated portion of Input connector/ output wires and uninsulated battery terminals.
- Do not open or disassemble charger.
- Do not operate charger, if AC supply cord is damaged or charger is in broken condition



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Charging Point Installation Guideline