



BOLT.EARTH

# Bolt.Earth PRO

## LEVEL 1 EV CHARGER



# USER MANUAL

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# 1. About Bolt.Earth

Bolt.Earth is committed to revolutionizing India's EV landscape by providing safe, reliable, and user-friendly EV charging solutions. With a focus on breaking barriers to EV adoption, we offer a comprehensive network of affordable chargers at strategic locations, available 24/7.

Our state-of-the-art technology and best-in-class customer support ensure a seamless charging experience for all users. Through our versatile range of Level 1, Level 2, and Level 3 chargers, coupled with our intuitive Bolt.Earth app, we empower EV owners to navigate their charging needs effortlessly while advancing the transition towards sustainable mobility in emerging markets.

## EVs Made More Accessible

At Bolt.Earth, our goal is to provide everyone interested with easy access to EVs. We realized that the reason emerging markets have a tough time integrating and establishing a foundation for EVs is due to the severe lack of infrastructure. We aim to reach our goal by setting up the world's largest EV charging network while simultaneously empower EV's with Bolt.Earth OS to keep them smart, safe, and connected.

## Easy & Affordable EV Charging

Finding a charging point near you is easy. Simply go on our app, share your location, and the app will find the nearest available charging point. Once you've chosen the charging station, drive to the location, scan the QR code on the poster, and set the charging time. The cost of the service will be calculated based on the charge duration.

# 2. Technical Specifications

| Input and Output Supply |                     |
|-------------------------|---------------------|
| Input Voltage           | 220-240 V           |
| Input Frequency         | 50 Hz               |
| Output Voltage          | 220V                |
| Max. Output Power       | 3.3 kW              |
| Max. Output Current     | 16A                 |
| Charging Interface Type | 6/16A Type D Socket |
| Phase                   | Single Phase        |

| General Specifications |                      |
|------------------------|----------------------|
| Dimension (l*b*h)      | 298mm * 164mm * 95mm |
| Wall/ Pole Mounting    | Both                 |
| No. of Output Ports    | 1                    |
| Charger Type           | AC                   |
| Material               | Polycarbonate        |

| Protection                  |     |
|-----------------------------|-----|
| Over Voltage Protection     | YES |
| Under Voltage Protection    | YES |
| Over Load Protection        | YES |
| Short Circuit Protection    | YES |
| Over Temperature Protection | YES |
| Power Surge Protection      | YES |

| Communication and Protocols |                                                      |
|-----------------------------|------------------------------------------------------|
| Communication               | Mobile App                                           |
| Connection                  | BLE or WiFi/4G(optional)                             |
| Protocol                    | Bolt.Earth BLE Protocol/<br>OCPP Compliant(Optional) |

| User Interface Requirements |                     |
|-----------------------------|---------------------|
| User Authentication         | Mobile App          |
| Start/Stop Functions        | Mobile App          |
| Visual Indication           | LED Indication      |
| Energy Measurement          | Through Application |

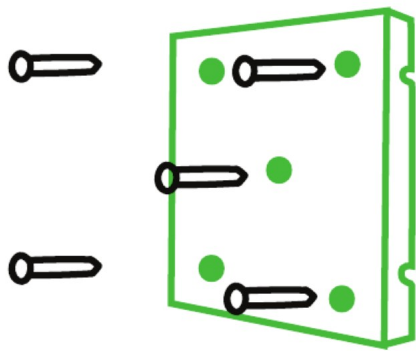
| Functions and Features                    |     |
|-------------------------------------------|-----|
| Smart LED Indicator Light                 | Yes |
| MCB                                       | Yes |
| Auto Power Cut-off after Charging Session | Yes |
| Auto Power Cut-off on No Load             | Yes |
| Charger Management System                 | Yes |
| App Connectivity (Android & iOS)          | Yes |
| In-built Energy Meter                     | Yes |
| In-built Battery Back-up                  | Yes |
| OTA Support                               | Yes |

## 3. What's Inside the Box?

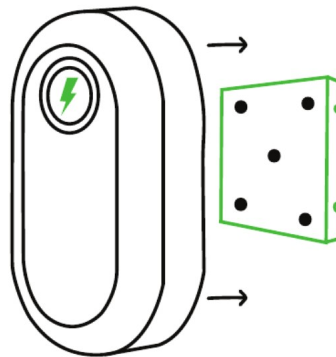
- 1 x Bolt.Earth Charging Socket
- 1 x QR Code Sticker
- 1 x Bolt.Earth User Guide
- 9 x Mounting Screws

## 4. Setup Guide

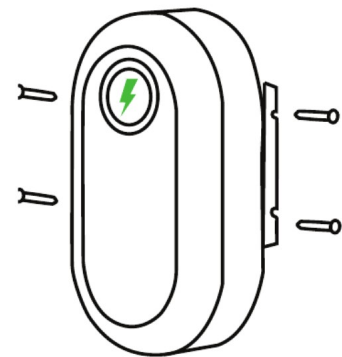
### How to install Bolt.Earth Pro Device?



Place the device holder on the walls and mount it with screws (5 No's)



Mount the Bolt.Earth Charging Socket firmly on the device holder



Secure the device with screws on both sides

# What do you need?

## Power Source

- Bolt.Earth 2.0 requires a single-phase connection with earthing.
- Locate nearest power source to avoid laying down of huge network of cables.
- Find out whether the power source identified above has spare load of at least 3.3 Kw.
- Once power source is identified, locate the wall on which device can be mounted.

## Mounting

- Take the device out of the box.
- Check out if the box contains all the materials as per the list attached.
- Take out the bracket and the screws.
- With the help of the drill machine and the screws mount the bracket against the wall.
- Once the bracket is mounted, put the device on the bracket, and tighten it with the screws.

## Connection

- Check the cable coming out of the Bolt.Earth device – three wires namely red, black, and green/yellow (Color could be different).
- Red stands for phase, black for neutral and green/yellow for earthing.
- Connect the above cable to the power source cables.
- Properly insulate the connections.

# How to Initialize?

## Bolt.Earth Initialization (APP)

- 1. Go to Account Menu and select "My Chargers"
- 2. Click on "+Add Charger"
- 3. Scan the QR Code
- 4. Fill the required details and click "Save Charger"

## Adding Payment Account (APP)

- 1. Go to Account Menu and select "Payment and GST Details"
- 2. Click on " Bank Account "

## Bolt.Earth LED Color Code

| State                   | LED Color       |
|-------------------------|-----------------|
| Not Activated           | Yellow          |
| Available for Booking   | Blinking Green  |
| Charging                | Revolving Green |
| Charging Stopped(Error) | Red             |
| Booking Ended           | White           |
| On Battery              | Dim Orange LED  |

# 5. Safety Information

**Failure to follow these safety instructions could result in fire or electric shock.**

- Faulty installation, improper earthing, incorrect operation and maintenance of electrical equipment are always sources of danger. Please take care of the following steps
- Make sure all electrical equipment's are well grounded to avoid any possibility of electric shock.
- Use the correct cable size 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.
- Moisture and water can conduct electricity. To prevent shock, it is advisable to keep work areas and equipment dry at all times. If your device gets wet, use the charging point carefully.
- Always plug & unplug power cords slowly & safely.
- Keep charging point out of reach from children without adult supervision.
- Keep the socket flap closed when the device is not in use to avoid any entry of foreign element which may damage the device.

## 6. Warranty Terms

- Warranty is not applicable if the internal PCB is found tampered with or removed.
- The device is considered defective if it fails to perform all functions as indicated in the user videos, technical specifications, or any other document shared with the device, and the failure is due to internal characteristics.
- The Warranty period starts from the date of delivery of the device and is valid for a tenure of 1 year.
- Warranty is not applicable for damage to the device or any part(s) due to transportation or shifting or arising out of improper storage of the device at the Customer's premises.
- Warranty is not applicable for mechanical or electric damages resulting from incorrect installation, configuration, usage, or other activities inconsistent with the operation manual or contradictory to technical specifications attached to the device.
- The customer shall provide a reasonable, sufficient, and safe working space to access the device for charging.
- The customer is liable to move away from all blocking objects or move the appliance to an appropriate location with gas/water supply and drainage for testing of the device.
- Return/Repair processing requires copies of the original invoice and Delivery challan/pack slip
- In case of any major physical damages on the device, the warranty claim should be made within 48 hours from the date of delivery, claims after this period will not be eligible for warranty benefits.

## Warranty Terms (continued)

- If the product serial number or warranty seal is illegible or has been removed, erased, defaced, altered, and/or tampered. If any accessory or external part of the product is missing.
- Warranty does not cover natural wear & tear, usage under extreme conditions, damage due to improper care (accident, misuse, or negligence) and damage caused by rain, fire, or earthquakes, etc.
- If any damage occurs in/on outer surface of the product, including but not limited to cracks, dents or scratches on the exterior cases, screens, and other attachments.
- Warranty is void If the device becomes dirty or damaged due to contact with chemical agents, water, sharp objects, improper handling, accident, abuse, or under abnormal use or conditions such as rain, wind and so forth.
- Warranty does not cover general maintenance, cleaning, application update/installation, product demonstration, or any other service other than repair/replacement.
- Deterioration of the product caused by normal wearing and tearing, including but not limited to rust or stains.
- Any other circumstances that are contradictory or do not comply with business ethics.

## 7. Refund and Return Policy

- Refunds if any for amendments and / or cancellation will be paid directly to the client for booking made directly with Bolt.Earth.
- For booking routed through our Authorised Channel Partner (ACP), the refunds will be routed through them.
- Refund will be processed within 30 working days from the date of cancellation. No interest charges shall be payable on the amount.
- Bolt.Earth shall not be liable where the delay in refund is due to reasons beyond Bolt.Earth's reasonable control.
- There is no refund payable for any unutilized devices.
- To be eligible for a refund, you must return the product within 30 calendar days of your purchase. The product must be in the same condition that you receive it and undamaged in any way.
- The money will be refunded to the original payment method you've used during the purchase. For credit card payments it may take 5 to 10 business days for a refund to show up on your credit card statement.
- If the product is damaged in any way, or you have initiated the return after 15 calendar days have passed, you will not be eligible for a refund.
- In cases where a product accessory is found missing/ damaged/ defective, Bolt.Earth may either process a replacement of the accessory or the product at its own discretion.



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## **Customer Support:**

The Bolt.Earth support team is available 24x7 to provide a solution for your queries.



**084 477-46385**



**support@bolt.earth**