INDRA

Installer Quick Start Guide

Warnings & Safety
FAILURE TO COMPLY WITH THESE INSTRUCTIONS MAY CAUSE DAMAGE TO THE EQUIPTMENT OR RISK OF SERIOUS INJURY

- Before commencing the installation or maintenance, the electrical power supply must be safely isolated.
- The Indra charger should be installed in accordance with the latest wiring regulations (BS7671) by a fully qualified and competent installer.
- Use of an upstream O-PEN protection device is **NOT** permitted with the Indra Smart Charger. Use of such devices will **VOID** the Smart Charger warranty.
- The Indra charger should be installed in a location that is structurally sound and free from excessive vibration, dust, or other material build up that could affect normal operation.

Install – Wall Mounting
Identify a wall space that is suitably placed for charging, while minimising, potential trip hazards and Impact damage.
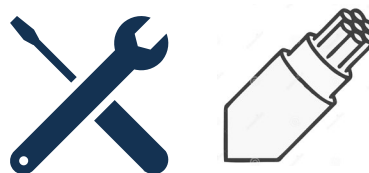
The charger should be installed on a flat surface.

Using the fixings pack supplied, fix the mounting bracket to the wall.

Position the charger over the bracket so that the top 2 bracket receptacles slide over the top of the bracket and hinge down flat with the bracket.

Using the security screws provided, secure the charger to the bracket.
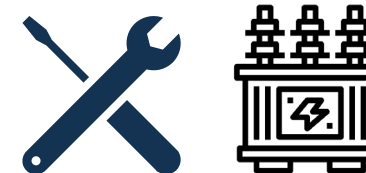
Install –Wiring the Charger
Connect the supply cables to the charger as follows:

Supply Cable	Charger Connections
Brown (Live)	L
Blue (Neutral)	N
N/A	Ref E
Green/Yellow (CPC)	CPC

Ensure there is no tension on the electrical connections by dressing the cables appropriately

A minimum IP rating of IP65 must be maintained

Install – Current Transformer
Chargers that are required to utilise Load Curtailment or Solar Mode features, must have an external CT fitted, so that the charger can monitor the total demand on the installation and total export of any micro-generation.
The CT should be clipped onto the incoming live supply cable before any junctions.
Using the jelly crimps provided, join the CT Clamp wire to the Blue/Blue White pair of your data cable.

Data Cable Conductor	CT Clamp Conductor
Blue	Red
Blue & White	White

Using an IDC punch-down tool terminate the Blue/Blue White wires into the CT connector.
Note: other data cable colours may be used but must terminate into the BE,

BE/WE connection inside the charger.

Install - Internet Connection

The charger MUST be connected to the internet to utilise its smart functions.

Wi-Fi Bluetooth Pairing
Connect the Wi-Fi dongle into the dongle slot in the cable tray
Power on the charger
Connect the charger to the customer's Wi-Fi via the installer app
Once connected the primary LED will go white.

Wi-Fi WPS Pairing
(*This is available if you are unable to connect to the customer's Wi-Fi via the installer app*).
Set the customer's router to WPS mode (refer to the Wi-Fi router instructions on how to do this).
Press and hold the BOOST button until the LEDs go Orange and before it goes green.
The main LED will flash orange whilst the pairing is taking place.
When successfully paired the main LED will flash green for 5 seconds, before reverting to white.

Cellular
Take note of the WCD number on the dongle before starting.
Connect the 4G dongle into the dongle slot in the cable tray and then power on the unit.
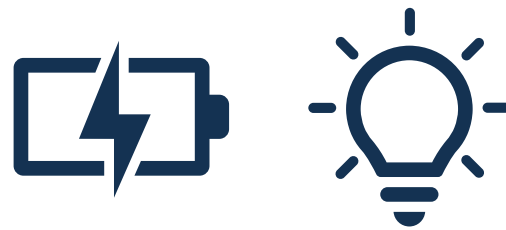Once connected the main LED will go white.

Note: Indra cannot be held responsible for the availability of the cellular network.
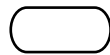
Ethernet
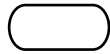Connect a data cable to the RJ45 socket on the charger from the customer's router
Once connected the primary LED will go white.

Charger LED meanings

Solid White - The charger is connected to the internet and ready to go.

Flashing White- The charger has successfully connected to the internet and is waiting for a connection to the platform, or the unit Is carrying out cached telemetry.

Solid Blue – The charger is in BOOST mode.

Flashing Blue- The charger is processing a firmware update.

Solid Purple- The charger is booting up.

Flashing Purple – There is a problem connecting to the internet

Flashing Orange- WPS Wi-Fi pairing has been initiated.

Orange and Blue Flashing- Bluetooth pairing has been initiated.

Red- A fault has occurred with the charger. Turn the charger off at the switchgear to reboot it. If fault persists then refer to troubleshooting.

Installer App

Commissioning

Once the charger is powered up and tested, the charger MUST be commissioned.

Commissioning of the charger is done via the Indra Installer App.

If the firmware on the charger box does not state **V11.1.1** or higher, then a SSID & Password cannot be used to connect to the customer's Wi-Fi.

Customer Handover

1) Statement of Compliance:
   Fill in the statement of compliance, supplied in the box, then handover to the customer as evidence of compliance with the smart charge act.
2) Indra App:
   Talk the customer through downloading and logging into the Indra App
3) DEMO:
   Walk the customer through a remote boost to ensure they can operate the charger before you leave.

Tools, materials and equipment needed:

- Smartphone or tablet to operate the "Installer App"
- UK EV Charging Station Test Adaptor Kit
- CAT5E Cable
- RJ45 male connectors
- RJ45 Crimping tool
- Krone/ IDC Punch-down tool
- T-20 screwdriver

Along with your standard installation tools.