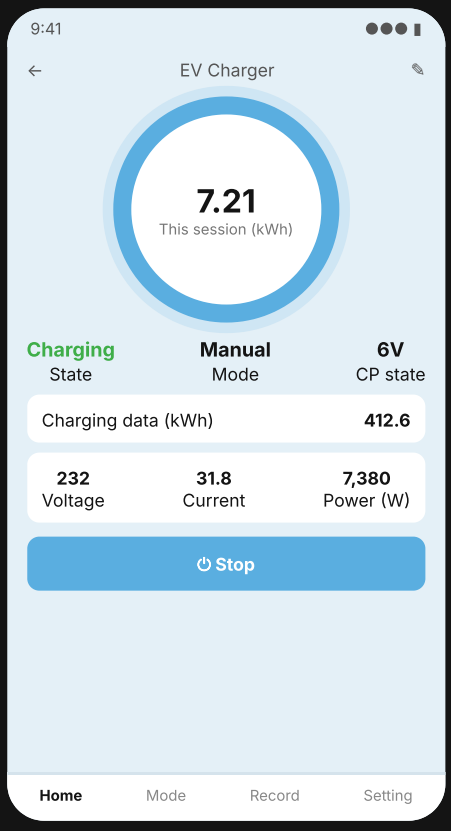
RIPON EV

Tuya App Settings Guide.

Pair the charger, set it up right first time, and show the customer how to use it — every screen and setting explained.



SCAN TO DOWNLOAD TUYA SMART

App Store
iPhone

Google Play
Android

WORKS WITH

All RIPON 1S / 1L / 3S / 3L-3210 models
Tuya Smart app (iOS & Android)

Installer settings are marked INSTALLER
Customers can safely use everything marked CUSTOMER

Technical support
0203 978 4568

01 Pair the charger

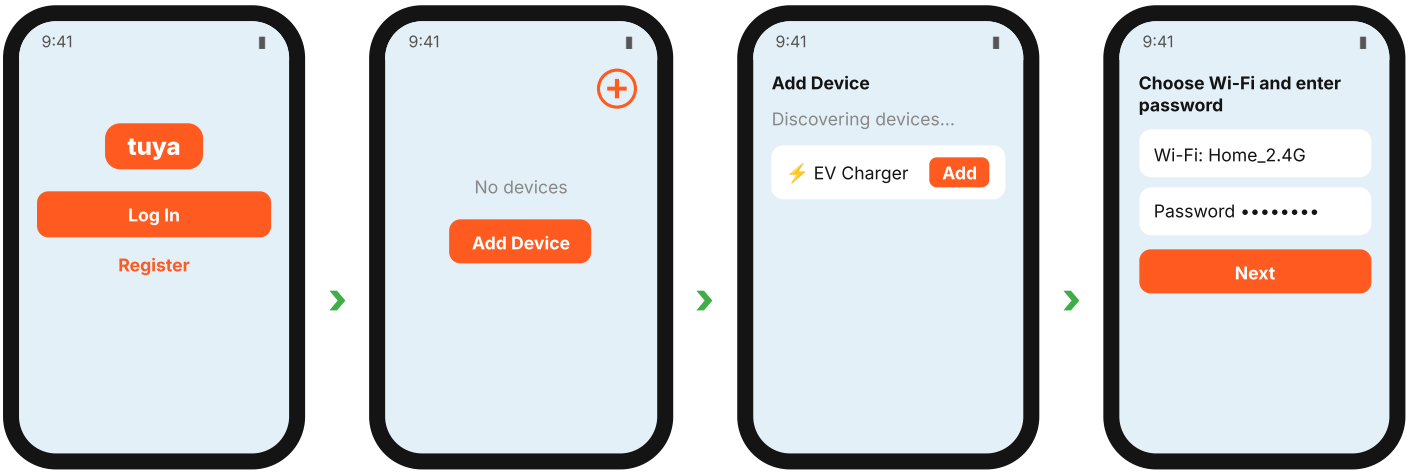
ABOUT 5 MINUTES ON SITE

Pair on the customer's own phone and account so the charger is theirs — then use Share Device if you need access.

Before you start

- ☐ Charger powered, **solid blue** (standby)
- ☐ Car **unplugged** from the charger
- ☐ Home Wi-Fi is **2.4GHz** and shows **2+ bars** at the charger
- ☐ Phone's Wi-Fi, Bluetooth and location turned on
- ☐ App allowed to use Bluetooth, location and "nearby devices"
- ☐ Customer knows their Wi-Fi password

Step by step



1 Download Tuya Smart (QR codes on the cover). Register with phone or email, enter the code, set a password.

2 Hold the charger button **10s** until it beeps twice, then tap Add Device.

3 Phone next to the charger. When "EV Charger" appears, tap **Add**.

4 Pick the **2.4GHz** network, enter the password, wait for "Added successfully" → **Done**.

Then

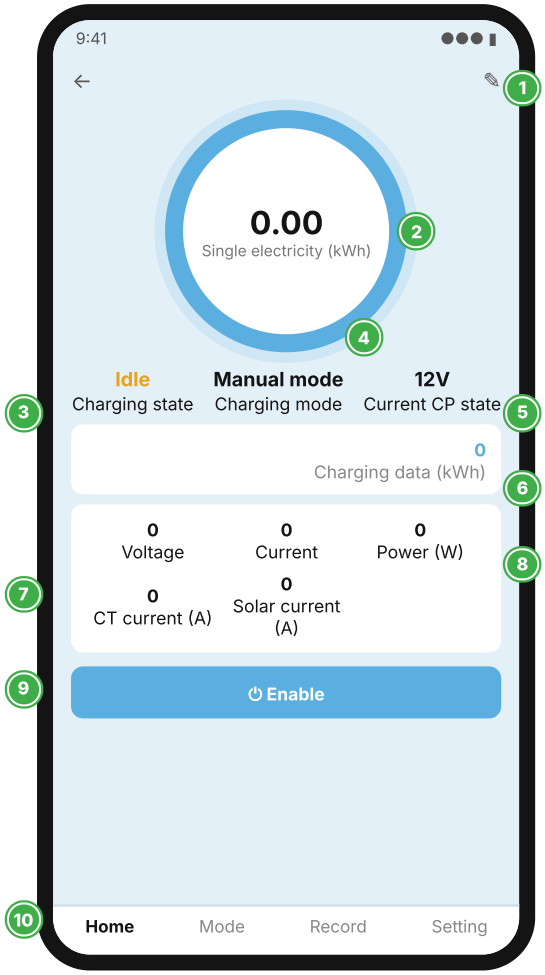
1. Tap ✎ to rename it (e.g. "Driveway charger") — handy if they have more than one.
2. Tap the charger to open it. The first time, a pop-up offers the default off-peak schedule — see page 4 for what to pick.
3. Go straight to the **Setting** tab and work down the checklist on page 5.

Won't find the charger? Re-do the 10s button hold (two beeps), check the phone's Bluetooth and location permissions for Tuya, and stand right next to the unit.

Ethernet is not for the app. The network socket is for OCPP back offices only. The app always connects over Wi-Fi.

02 The home screen

The home screen shows live charging data, the current mode and the on/off button — it's where the customer will spend most of their time.



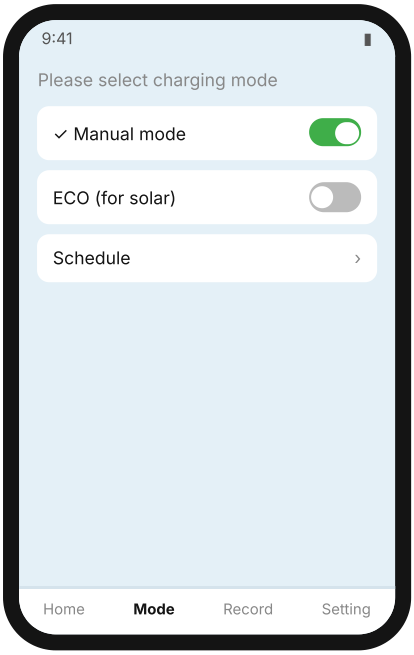
1. **Edit** — rename, share, notifications, updates, remove device.
2. **This session** — energy delivered in the current charge (kWh).
3. **Charging state** — Idle, Connecting, Charging, Complete or a fault name.
4. **Charging mode** — Manual, ECO (solar) or Schedule.
5. **CP state** — the car "handshake" voltage: **12V** nothing plugged in · **9V** car connected · **6V** charging.
6. **Charging data** — total energy delivered over the charger's life (kWh). Swipe for the energy history.
7. **Live readings** — voltage, current (A) and power (W) going to the car.
8. **CT / solar current** — what the CT clamp sees on the house supply. Only shows if a CT is fitted.
9. **Enable / Stop** — start or stop charging from the phone.
10. **Tabs** — Home · Mode (charging modes) · Record (history and error log) · Setting.

Installer tip: after commissioning, plug the car in and watch the CP state drop from 12V to 9V, then 6V once charging starts. If it sits at 9V, the car is waiting — usually a schedule, delay or "Enable" not pressed.

Fault names (e.g. "Meter communication fault") appear in an orange bar in the middle of this screen. See page 7.

03 Charging modes

Three modes decide when the charger starts: Manual (plug and go), ECO (solar surplus) and Schedule (timed). Pick one with the customer at handover.

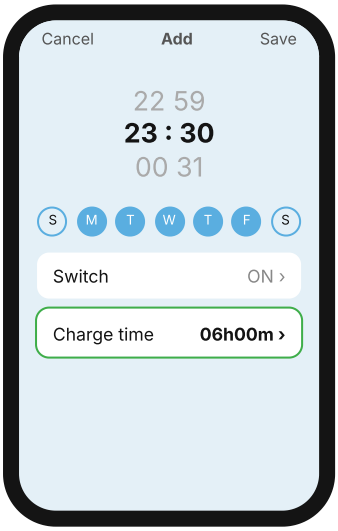


Mode tab

Mode	How it behaves	Best for
Manual ON	Plug-and-charge: starts as soon as the car is connected. App can't start/stop it.	Customers who want it simple
Manual OFF	Every charge must be started with **Enable** in the app or an RFID card.	Shared drives, workplaces, RFID users
ECO (solar)	Needs a CT. Starts when export is over 8A and charges at export minus 2A. Pauses at 6A when export drops below 2A.	Homes with solar PV
Schedule	Starts and stops at set times on chosen days, repeating weekly.	Off-peak tariffs (Octopus, EDF etc.)

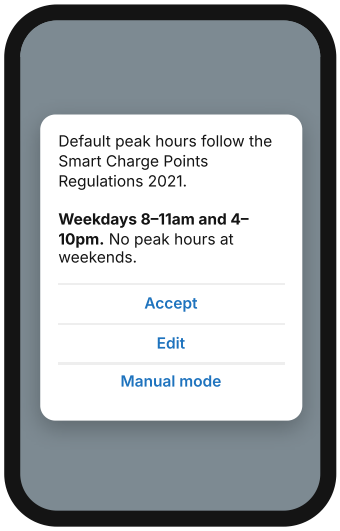
ECO without solar or a CT will only ever charge at 6A — a common "slow charger" callback.

Setting a schedule



1. Mode → Schedule → **Add**.
2. Set the start time and tick the days.
3. Switch = **ON**.
4. Set **Charge time** (hours). Skip this and it only charges for **1 minute**.
5. Save. Add a second entry with Switch = OFF if they want a fixed stop time.

First-time pop-up

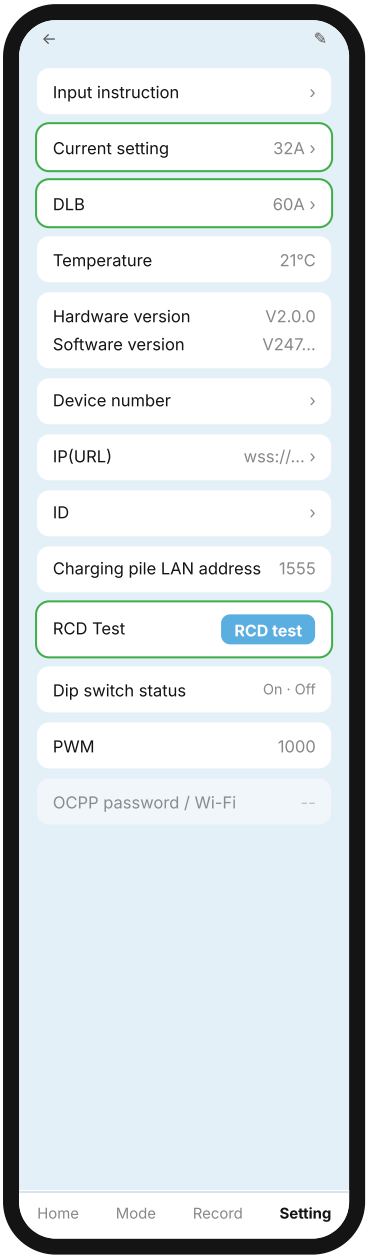


Accept — keeps the legal default: no charging in weekday peak hours unless overridden. **Recommended for every new install.**

Edit — change the hours to suit the customer's tariff.

Manual mode — ignores peak hours. Only if the customer asks, and tell them it's their choice.

Set Current and DLB on every install, run the RCD test, and leave the rest alone unless the job needs it.



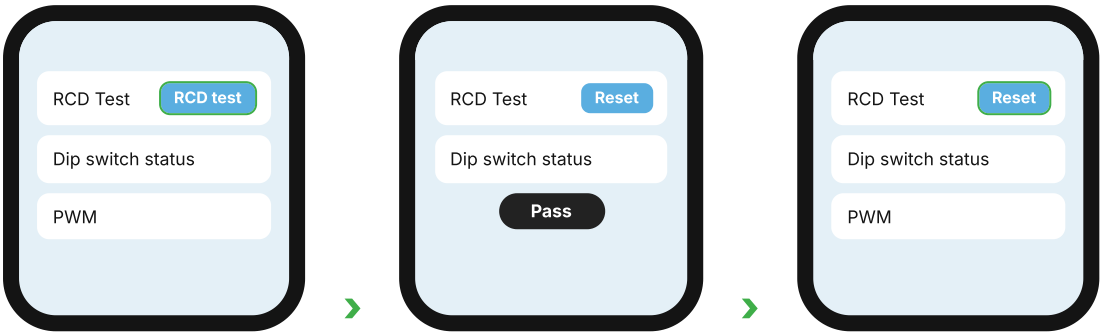
Green = set on every install

Setting	What it does	Set it to
Current setting INSTALLER	Max charge current, 6–32A. Can't exceed the DIP switch. **Must be entered once** — until then the shown value is meaningless.	Design current: 32A (7.4kW), or lower if the supply needs it
DLB INSTALLER	Load-balancing limit for the whole house (needs a CT). Charger throttles back when the house gets within 5A of it. Range 0–999, default 60.	The main fuse rating: 60, 80 or 100
Input instruction INSTALLER	Type commands: an **RFID number** binds a card · **GNDON** earth monitoring on · **GNDOFF** off · **RESET** wipes charging data.	GNDON (needs DIP 3 ON). Power-cycle after RESET
RCD Test INSTALLER	Simulates a leakage fault to prove the internal protection trips.	Run it: Pass → Reset (page 6)
Dip switch status READ	Shows how the DIP switch is set inside.	Check it matches the breaker
Temperature READ	Internal temperature.	— (over-temp callbacks)
HW / SW version READ	Firmware versions.	Quote these to support
IP(URL) · ID INSTALLER	OCPP back-office address and the charger's name on it. Device number should change to match the new ID.	Only for OCPP. URL ends in **/**. Power-cycle after
LAN address INSTALLER	Role in a charger group.	**1555** single home · 1300 main · 1301–1309 subs
PWM READ	Factory signal value.	Leave as is
OCPP password, Wi-Fi name/password	Not supported on this model — ignore.	

05 Test, records & sharing

Run the app RCD test on every install, then set up sharing and notifications so the customer isn't calling you for the basics.

App RCD test EVERY INSTALL



1 Tap **RCD test** › **2** Wait for **Pass** › **3** Tap **Reset** — done

> No "Pass", or the unit won't reset? Power-cycle and retry once. Still failing — don't hand over; call support.

This proves the charger's internal leakage protection. You still test the upstream RCD with your tester as normal.

Record tab

Charging record shows each session's start time, duration and kWh. **Error log** lists faults with times — check it first on any callback.

> Only sessions started or stopped from the app are logged. Plug-and-charge or button starts won't appear.

Alarm (tamper)

If someone opens the case, the app logs a **Safety notice – Case open**. Find it under Me → Message Center → Alarm.

Edit menu (✎ top right) CUSTOMER

Option	Use it for
Rename	Name the charger (e.g. "Driveway")
Offline notification	Turn ON — alerts them if the charger loses power or Wi-Fi
Share Device	Give a partner access: Share with account → enter their Tuya login. Shared users can use it but not re-share
Software update	Prompt appears when firmware is available — accept it
Remove	Unlinks the charger, keeps history
Remove & clear data	Unlinks and wipes records and error log — use when the house is sold

06 App problems & sign-off

Most app callbacks are Wi-Fi, a setting never entered, or the wrong mode — all fixable in a few minutes on the phone.

Problem	Likely cause	Fix
Charger not found when adding	Not in pairing mode, Bluetooth/location off, phone too far away	Hold button 10s (two beeps), check permissions, stand beside the unit
Fails at the Wi-Fi step	5GHz network, wrong password, weak signal	Use the 2.4GHz network; check 2+ bars; fit a booster or repeater
Shows "Offline"	Router changed, password changed, power off	Remove device, hold button 10s, re-add with the new Wi-Fi
Enable does nothing	Manual mode ON (app control disabled)	Turn Manual mode OFF, or just plug in
Car plugged in, won't charge	Waiting on schedule or randomised delay (up to 10 min), or Manual OFF and not enabled	Check Mode tab; press Enable; wait out the delay
Only charging at 6A	ECO on with no solar, or Current never set	Switch ECO off; enter the current setting
Charges for 1 minute then stops	Schedule saved without Charge time	Edit the schedule and set the hours
"Meter communication fault"	CT not plugged in or bad CT extension	Re-seat CT plug; check extension joints; CAT5 only
Charging slower than expected	DLB throttling (house load high) or DLB set too low	Check CT current on home screen; DLB = main fuse rating
New ID doesn't show	Change not applied	Exit app, power-cycle charger, check Device number
Previous owner still has it	Device bound to their account	They remove it, or hold button 10s and pair fresh

App sign-off checklist

- ☐ Paired on the **customer's** account and renamed
- ☐ **Current setting** entered (≤ DIP switch)
- ☐ **DLB** = main fuse rating (CT installs)
- ☐ Dip switch status matches the breaker
- ☐ **RCD test** passed and reset
- ☐ Off-peak default accepted (or customer's own schedule set with hours)
- ☐ Mode agreed: Manual / ECO / Schedule
- ☐ Offline notification ON
- ☐ Partner added via Share Device
- ☐ Test charge seen in the app (CP 12V → 9V → 6V)