OPTi

EV CHARGER USER MANUAL

7KW SINGLE-PHASE | 22KW THREE-PHASE



SEVR

EV CHARGING SOLUTIONS

SEVR.AU

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HOW TO START CHARGING IN 30 SECONDS





Stand by mode
Pulsing blue



Charging
Pulsing green



Completed
Solid green

SEE PAGE 25 FOR **MULTI SCHEDULING SUPPORT**
SEE PAGES 25 & 26 FOR **SOLAR INTEGRATION**

LOCAL BLUETOOTH CONTROL - 8-DIGIT PIN CODE

Please ask your electrician to write down the 8-digit pin code for future reference:

(Available under the internal cover. Do not remove the internal cover yourself.)

CRITICAL WARNINGS: HIGH VOLTAGE

ELECTRICAL SAFETY
HIGH VOLTAGE - Do not touch exposed parts when powered.
REPAIRS - Do not attempt repairs. Call SEVR or your installer.

MOISTURE & WATER
CHARGING - Do not charge if the plug or socket is wet. Dry both first.
EXPOSURE - Water-resistant only. Do NOT immerse or charge in heavy rain.

STORAGE
ENVIRONMENT - Store in dry conditions as humidity damages the unit.

Use of Type 2 charging cable extension leads or adapters with this product is strictly prohibited.

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HOW TO USE YOUR MANUAL



This manual contains two main sections:

1 - EV CHARGER SETUP AND CONFIGURATION (PAGES 3-17)
Explains the charger functions and its different operating modes.

2 - ECOSOLEX HOME USER AND ECOSOLEX CONNECT APP SETUP (PAGE 18-35)
Explains how end users can use the smartphone app, including OCPP integration. All functionality available in Home App, except OCPP, which is available in the Connect App.

PRODUCT USAGE PROCEDURE AND RELATED MANUALS

STEP 1 - INSTALL THE EV CHARGER
Follow the instructions in this manual to install the EV charger, and connect the power supply.

STEP 2 - CHECK THE CHARGERS OPERATING MODE
The OPTI charger comes pre-configured as “Plug & Play” out of the box. If smart features are required use the Ecosolex Home App. This is available for download in the Google Play Store or Apple App Store.

STEP 3 - SET UP THE ECOSOLEX HOME APP (OPTIONAL)
Use the Ecosolex Home App to bind and operate the product. Default setting is “Plug & Play @ 32A”. For further details, refer to the Ecosolex Home User Setup (Page18).

STEP 4 - SET UP THE CT MODULE FUNCTION (OPTIONAL HARDWARE ACCESSORY)
The CT Module enables the charger to provide Dynamic Load Balancing and Solar Integration. Before enabling this function, make sure all required accessories are installed correctly. If not, the product may report errors, and the charger may not operate properly.

Once configured, the charger will adjust its charging status in real time.

For further details, scan the QR Code to refer to the CT User Manual on the OPTI web page.

CT MANUAL
Scan to download

DISCLAIMERS AND LIMITATIONS OF LIABILITY

This user manual contains important instructions for the installation, operation, and maintenance of this product. Please read this manual carefully before using the equipment to ensure safe and correct operation. After reading, retain this manual for future reference.

The specifications and information contained in this manual were verified for accuracy at the time of publication. However, due to ongoing product improvements, specifications and features may change without notice.

SEVR shall not be liable for any damage or issues arising from installation methods, procedures, or use that are not described in this manual, or from failure to follow the instructions and recommendations provided.

This product includes a three-year warranty period. For full warranty details please refer to the Warranty Information section on page 17.

Privacy Statement:
The charger itself does not collect personal information unless connected to optional network services or third-party applications.

IMPORTANT SAFETY INSTRUCTIONS


Do not install or operate the charger near flammable, explosive, or hazardous materials, chemicals, or vapours.


Handle the charger carefully during transportation and installation. Do not drop, strike, pull, twist, drag, crush, or place excessive force on the charger or charging cable.


Avoid installing the charger in locations exposed to prolonged direct sunlight whenever possible.


Children must not operate or play near the charger without adult supervision.


Use this product only within the specifications and operating parameters described in this manual.


The charger must be installed by a licensed electrician in accordance with all applicable local regulations and standards, including AS/NZS 3000.


Ensure the charger is correctly earthed at all times. Failure to do so may result in electric shock, injury, or fire.


Keep the charging connector clean and dry. If cleaning is required, disconnect power to the charger and wipe the connector with a clean, dry cloth. Do not touch the connector pins.


Ensure the charging cable is positioned to avoid damage, excessive tension, tripping hazards, crushing, or vehicle traffic.


Stop using the charger immediately if the enclosure, charging cable, or connector shows signs of damage, cracking, excessive wear, or exposed wiring. Contact SEVR or an authorised service provider for assistance.


Do not attempt to disassemble, repair, or modify the charger. Unauthorised repairs or modifications may result in electric shock, fire, equipment damage, or voiding of warranty.


Charging during severe thunderstorms is not recommended.


Do not move or drive the vehicle while charging is in progress. Charging must only occur while the vehicle is stationary.


For plug-in hybrid vehicles, ensure the vehicle is switched off before charging.

ELECTROMAGNETIC COMPATIBILITY (EMC) NOTICE

This equipment has been tested and complies with the applicable limits for Class B digital devices. These limits are designed to provide reasonable protection against harmful interference in residential environments.

This equipment may generate, use, and radiate radio frequency (RF) energy. If not installed and used in accordance with the instructions, it may cause interference to radio or television reception.

If interference occurs, the user is encouraged to try one or more of the following measures:
- Re-orient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment to a different electrical circuit from the affected receiver.
- Consult a qualified radio/television technician for assistance.

To comply with RF exposure requirements, maintain a minimum separation distance of 20 cm between the charger and any person during operation.

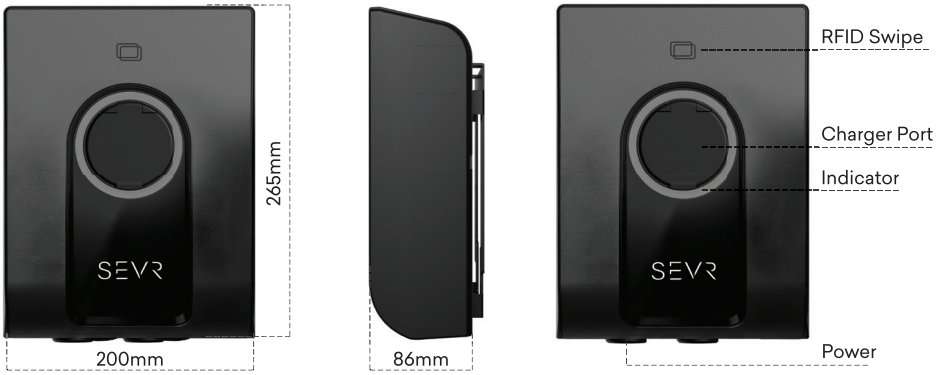


WARNING

The input / output voltage of this product is a dangerous high voltage, which will endanger the safety of human life. When installing, repairing, and maintaining products, strictly follow all warnings and operating instructions in the user manual. Follow all applicable local, regional, and national laws and regulations that may prevent death, injury or property damage and invalidate the limited warranty. Non qualified electricians must not remove the cover of this equipment.

OPTI EV CHARGER INFORMATION

PRODUCT DIMENSIONS



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USING YOUR EV CHARGER



WHAT'S IN THE BOX



EV Charger


Mounting Plate



User Manual



2x RFID Cards


485 Terminal Block


4x Φ6mm Wall Anchors


10G X 30MM Screw


Torx Allen Key


1x M3 Security Screw

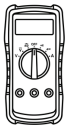
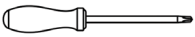
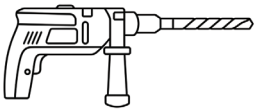
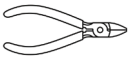
PRODUCT INSTALLATION

PRODUCT CONFIRMATION
After receiving the charger, carefully unpack the product and inspect the following items:
- Check the charger and accessories for any visible signs of damage that may have occurred during transport. If any damage is identified, contact the seller immediately.
- Verify that all supplied accessories and components are present and match the product model ordered. If any items are missing or incorrect, please contact the seller for assistance.

INSTALLATION PREPARATION

Max Current	Recommended Cable Specification			
		Single-phase		Three-phase
10A		10A - 3 x 18 AWG (1.5mm²)		5 x 18 AWG (1.5mm²)
13A		13A - 3 x 16 AWG (2.5 mm²)		5 x 16 AWG (2.5 mm²)
16A		16A - 3 x 14AWG (2.5mm²)		5 x 14AWG (2.5mm²)
32A		32A - 3 x 10AWG (6mm²)		5 x 10AWG (6mm²)

REQUIRED TOOLS

Tool	Reference Pictures	Function
Multimeter		Test Supply Voltage
Slotted Screwdriver		Front Cover
Phillips Screwdriver PH2x150mm PH3x250mm		Internal Cover Screws
Torx Allen Key (supplied)		Front Cover Locking Screw
Drill + Drill Bits		Wall Holes
Cable Cutters		Cut Off the Cable

INSTALLATION PROCESS

Electrical equipment must only be installed, commissioned, serviced, repaired, and maintained by a licensed electrician in accordance with all applicable local regulations and standards, including AS/NZS 3000.

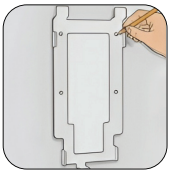
SEVR shall not be liable for any damage, injury, or faults resulting from improper installation, operation, modification, or use of this equipment.

All installation, servicing, and maintenance work must be carried out in accordance with applicable local and national regulations, including AS/NZS 3000 and all relevant electrical safety standards.

MOUNTING HEIGHT
Recommended mounting height is 0.5-1.5M from the ground



INSTALLING MOUNTING PLATE ON WALL



MARK & DRILL
Use plate template to drill four 6mm holes 35mm deep.



INSERT & PLUG
Push supplied wall plugs into holes.



MOUNT PLATE
Secure with four 10G X 30MM self-tapping screws.



FASTEN
All 4 screws.

DISASSEMBLING THE FRONT COVERS



INSERT
A flat-head screwdriver into the left gap, and pry upward. Repeat on the right side.



PULL
The released front cover frame straight up and off.



REMOVE
7 screws using a Phillips screwdriver.



OPEN
The internal cover and place to the side.

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ELECTRICAL INSTALLATION



All electrical work must be carried out by a suitably qualified electrician. The manufacturer accepts no liability for any damage, injury, or consequences arising from improper use or installation of this product.

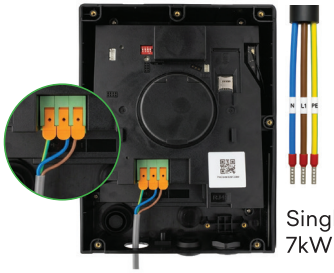
CIRCUIT BREAKER AND SUPPLY CONNECTION

A suitably rated and certified circuit breaker (RCBO-Type A) must be installed on the AC supply circuit feeding the charger. The circuit breaker must comply with applicable standards, including AS/NZS 3000. Refer to the wiring diagram in this manual for correct connection details.

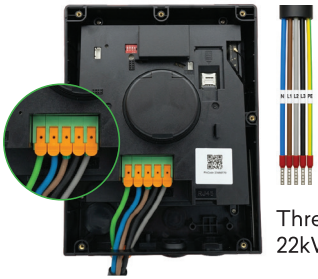
The charger includes integrated residual current protection (RDC-DD) incorporating:
- 30mA AC Type A residual current protection.
- 6mA DC residual current detection.

Installation requirements should always be verified by the licensed electrician in accordance with applicable local standards and regulations, including AS/NZS 3000.

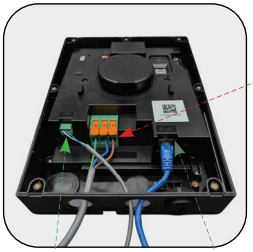
All protection devices and associated electrical equipment must be selected to suit the installation conditions and must meet the following minimum requirements:
- Rated operating voltage equal to or greater than the charger operating voltage.
- Rated operating current equal to or greater than the charger maximum operating current.
- Minimum IP54 protection rating for outdoor installations, or installation within a suitably rated weatherproof enclosure.



Single-phase
7kW



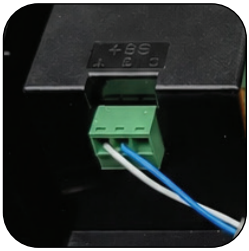
Three-phase
22kW



485 Wiring RJ45 Wiring



Ethernet Wiring



RS485 Wiring

SIM CARD INSTALLATION (OPTIONAL)

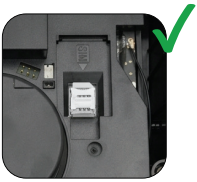
If applicable, find the RJ45 & RS485 network ports and connect the wires according to the diagram below:



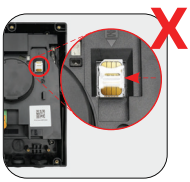
LOCATE THE SLOT
Find SIM card slot on upper right of main board.



INSERT SIM
Place card with gold contacts facing down toward board.



CLOSE & LOCK
Shut the cover tightly to secure the card.



WRONG
SIM card shown in wrong position for reference.

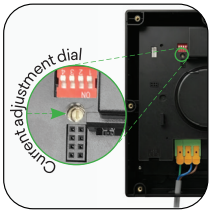
CURRENT ADJUSTMENT DIAL

The charger features an internal current adjustment dial to limit the maximum charging current during use with the position indicated by an arrow in the centre of the knob.

In the default 6 o'clock position (Scale 0), the charger is set to its maximum output of 32A.

Rotating the dial clockwise changes the maximum charging current as follows:

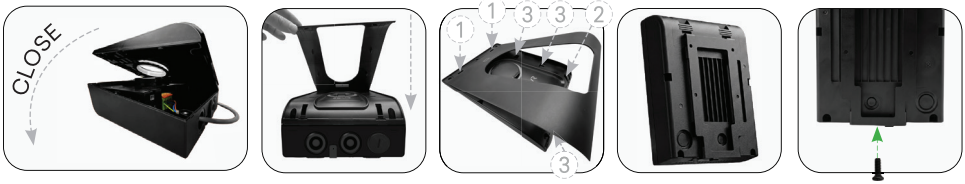
Any remaining dial positions are equivalent to Scale 0 (32A).



8 Amps	16A Amps	24A Amps	32A Amps
			

MOUNTING THE MAIN UNIT

Hang the main unit on the mounting plate, and use one M3x8mm torx screw to secure the charging station to the mounting plate.



CLOSE
The internal cover and screw back together with the 7 screws.

PLACE BACK
The front cover in the direction shown.

SLIDE
Cover into housing (1), align edges, and press clips (2, 3) in sequence to snap into place.

MOUNT
The charger onto the plate.

SCREW
Secure the bottom with one M3x8mm screw.

POWER-ON INSPECTION

PRE-START CHECKS
Before powering on the charger, confirm the following:
- The charger is installed in a suitable location that allows safe operation and maintenance access.
- The charger has been installed correctly and securely.
- The upstream RCBO is correctly installed and configured.
- No tools, packaging materials, or foreign objects remain on or inside the charger.

CHARGER START-UP
After completing all inspections:
- Enable the upstream circuit breaker and associated protection devices.
- Power on the charger power supply.
- Verify that the LED status indicator displays normal standby operation (solid yellow indicator if not connected to internet, solid blue indicator when connected to the internet).

Indicator Color	Light Status	Current state	Instructions
White	Flashing	Initial state	Power-on self-test
Yellow	On	Standby (no network)	-
Blue	On	Standby (network connected)	-
Blue	Blinking	Gun inserted, unauthorized	-
Green	Blinking	Gun inserted, authorized	-
Green	Pulsing	Normal charging	-
Green	On	Charging completed or charging paused	-
Red	Off	Fault indicator (for all listed states)	-

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TROUBLESHOOTING

All electrical work must be carried out by a suitably qualified electrician. The manufacturer accepts no liability for any damage, injury, or consequences arising from improper use or installation of this product.

FAULT CODES

Indicator Colour	Flash Count It Will Flash	LED Indicator Status Cycle Will Repeat	Fault Category
	Once		Relay adhesion
	Twice		Leakage fault
	3 times		Ground fault
	4 times		Overtemperature
	5 times		Overcurrent
	6 times		Overvoltage / Undervoltage
	7 times		Control pilot fault
Red	8 times	Then off for 2 seconds	Out-of-frequency fault
	9 times		Card reader failure
	10 times		Electronic lock failure
	11 times		EV diode failure
	12 times		PP connection failure
	13 times		Anti-tamper cover alarm
	14 times		Communication board link failure
	15 times		Load balancing meter communication failure

FAULT CODES SOLUTIONS

Fault	Possible Cause	Resolution
Relay adhesion	Relay stuck, cannot open/ close correctly	Unplug the charging connector from the vehicle and restart the charger.
Leakage (RCD) fault	Current leakage detected in the electrical system	Unplug the charging connector and restart the charger.
Ground fault	Poor or missing protective earth connection	Check that PE (earth) wiring at the rear terminal is correctly installed. Verify AC supply earth integrity.
Over temperature fault	Internal temperatures are too high due to environment or load	Move the charger and vehicle to a cooler, shaded area. Allow the system to cool before restarting.
Overcurrent fault	Output current exceeds allowable limit or abnormal load/short circuit detected	Disconnect the charging connector, power cycle the charger, and restart.
Overvoltage / Undervoltage	AC supply voltage outside allowable range (e.g. <207 V or >253 V)	Use a multimeter to check the supply voltage.
Control pilot fault	Abnormal CP signal detected between vehicle and charger	Disconnect the charging connector and restart the charger.
Out-of-frequency fault	AC supply frequency outside allowable range (below 46 Hz or above 64 Hz)	Check supply frequency using appropriate test equipment.
Card reader failure	RFID/card reader malfunction	Restart the charger.
Electronic lock failure	Locking mechanism fault preventing connector release/engagement	Attempt restart. If the connector cannot be released, use the mechanical emergency release (if fitted).
EV diode failure	Vehicle-side diode not detected or abnormal	Disconnect and restart the charger.
PP connection failure	Proximity pilot signal disconnected or unstable	Disconnect the charging connector, restart the charger, and retry connection.
Anti-tamper / cover alarm	Internal cover or housing tamper detected	Ensure all covers are properly closed and secured. Restart the charger.
Communication board link failure	Loss of communication between internal modules	Power cycle the charger.
Load balancing / meter communication failure	Communication issue with energy meter or load management device	Check CT clamps, meter wiring, and communication connections. Restart the system.



If the issue continues, stop using the charger immediately. Contact a licensed electrician, local utility provider, or SEVR.

RESET SWITCH

All electrical work must be carried out by suitably qualified electrician. The manufacturer accepts no liability for any damage, injury, or consequences arising from improper use or installation of this product.

The charger includes an internal reset switch used to restore factory settings including user configuration and network pairing information.

Power on the EV charger to activate the reset switch as per below:



INSERT
A flat-head screwdriver into the left gap, and pry upward. Repeat on the right side.



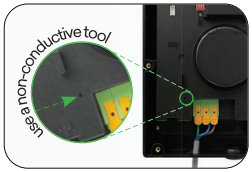
PULL
The released front cover frame straight up and off.



REMOVE
7 screws using a Phillips screwdriver.



OPEN
The internal cover and place to the side.



PRESS AND HOLD
For 10 seconds the internal button to restore factory default settings. Charger will beep and reboot to complete successful reset.

TECHNICAL INFORMATION

	SV-EVCHG-7KW-B	SV-EVCHG-22KW-B
Output Power	7kW	22kW
Voltage	230V AC single-phase	400V AC three-phase
Output Current	32A	
Frequency	50/60Hz	
Charging Outlet	Type 2 socket	
Maximum Power Consumption	7kW	22kW
IP Rating	IP65	
Driver Efficiency Under Full Load	≥99%	
Earth Leakage Current (mA)	Type A 30mA+DC 6mA	
Working Temperature	-30°C to +50°C	
Dimensions	L 200mm x H 265mm x D 86mm	
Weight	1.85kg	2.43kg
Installation Method	Wall-mounted or Pole-mounted	
Connection	Blue tooth, Wi-Fi, 4G, Ethernet	
Recommended Cable	$3x6mm^2 + 1x0.5mm^2$	$5x6mm^2 + 1x0.5mm^2$
In The Box	1x EV AC charger, 1x Installation kit, 1x Instruction manual, 2x RFID cards, 1x Mounting bracket and hardware kit	
Warranty	3 years	

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RECYCLING & WARRANTY

3 year warranty



RECYCLING AND DISPOSAL

Your charger when disposed of becomes e-waste and should not be disposed of in general household bins. All electrical and electronic equipment should be taken to an authorised e-waste recycling facility, council collection point, or approved drop-off program. Where it will be safely dismantled and recycled to recover valuable materials and prevent environmental harm.

WARRANTY STATEMENT

WARRANTY COVERAGE
Our company guarantees that all products have undergone strict quality inspection prior to delivery. During the warranty period the product will be covered against defects arising from normal use.

WARRANTY EXCLUSIONS
This warranty does not cover damage or failure resulting from improper handling, incorrect installation, misuse, neglect, lack of maintenance, or abnormal operating conditions. It also does not cover damage caused by external events such as natural disasters or other force major events.

This product is covered by a three-year replacement parts-only warranty from the date of purchase. Under normal use, SEVR at its discretion, will replace any defective parts where a manufacturing fault is confirmed.

DISCLAIMER

To ensure safe and proper use of this charging equipment please read this manual carefully before installation or operation. The product must be used in accordance with all instructions, safety information, and installation requirements provided in this manual.

By using this product the user acknowledges that they have read and understood this manual and agree to use the equipment only for its intended purpose.

Users must comply with all applicable instructions in this manual including, but not limited to, installation conditions, safety warnings, and approved operating procedures. To the maximum extent permitted by law the manufacturer is not liable for any loss, damage, injury, or consequential loss arising from improper installation, misuse, modification, or failure to follow the instructions in this manual.

Nothing in this disclaimer excludes, restricts, or modifies any rights or remedies that cannot be excluded under the Australian Consumer Law, including consumer guarantees applicable to this product.

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APP READY



SEVR OPTI SMARTPHONE APPS

There are two mobile applications available for the SEVR Opti Charger:

THE ECOSOLEX HOME APP ALLOWS USERS TO:

- Start and stop charging
- Monitor charging status in real time
- Configure charging schedules and off-peak charging
- Provision and amend RFID card access
- View charger information and charging history
- Configure solar charging modes
- Enable excess solar charging
- Select solar-only, hybrid, or grid charging modes
- Monitor energy usage and charging performance
- Configure load balancing and energy management settings

Note: All functionality available in Home App, except OCPP, which is available in the Connect App.

HOME APP
Scan to download

THE ECOSOLEX CONNECT APP ALLOWS INSTALLERS TO:

This will allow the Installer to be able to configure Device Parameters, Networks, CT Module settings and OCPP without having to involve the user for most provisioning settings. Additional user-based settings can only be done via the Ecosolex Home app for charging options, schedules, RFID card configuration, etc.

Note: Additional user-based settings can only be changed via the Ecosolex Home app for charging options, schedules, RFID card configuration, etc.

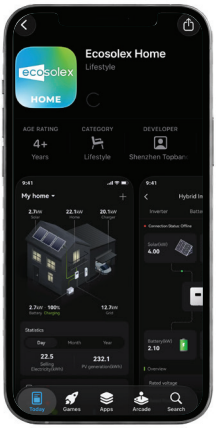
CONNECT APP
Scan to download

BLUETOOTH PERMISSION AND CONFIGURATIONS
Please follow the in-app prompts to allow Bluetooth access, and ensure your phone remains within Bluetooth range of the charger, as platform and network settings are accessible only via this direct connection.

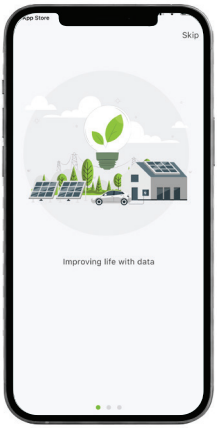
Use the Ecosolex Connect App for OCPP configuration. First, you must remove the charger from the Ecosolex Home app (via the Charger Settings tab). Enabling OCPP permanently disables Ecosolex Home app management.

Deleting an account will permanently delete all account-related information and cannot be recovered. Please proceed with caution.

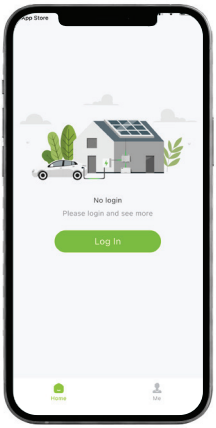
STEP 1 - APP SETUP AND CONECTING THE CHARGER



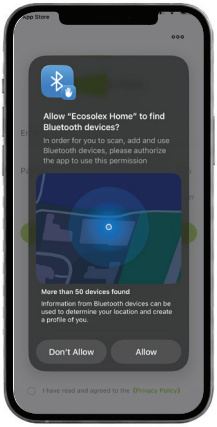
DOWNLOAD
The APP.



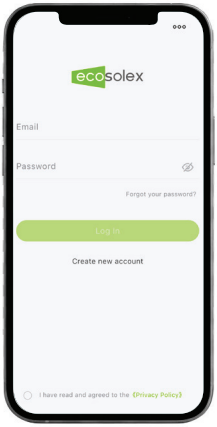
SKIP
The intro screens.



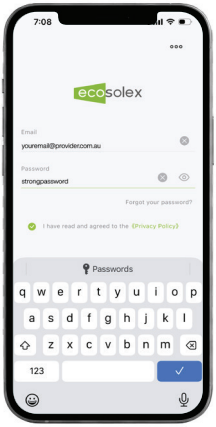
TAP
Login.



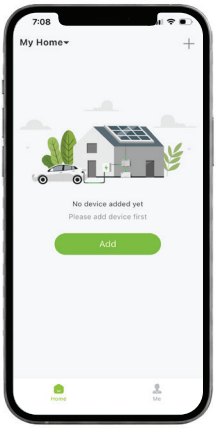
ALLOW
To be able to
connect the charger.



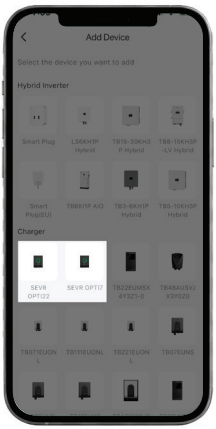
EITHER
Enter login details
or create a new
account.



NEW
Account screen
(if you choose for
a new account).



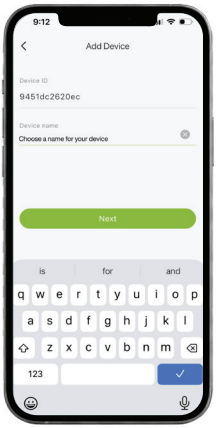
ADD
Your charger
(make sure your
charger is on).



SELECT
Either the
SEVR OPTI 7 or 22.



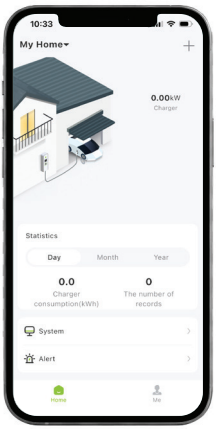
ONCE
Connected select
the charger up top.



CHOOSE
A name for
your charger.

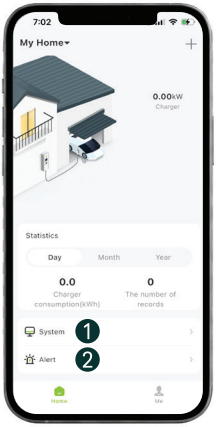


CONNECT
The charger to your
network either by
Wi-Fi, 4G (SIM card
installed) or Ethernet
(if cable connected).



DONE
Congratulations -
you're all setup!

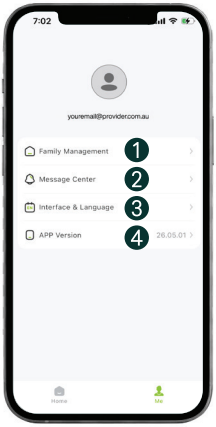
STEP 2.1 - USING THE APP



When you launch the app, you will see the Main Home Screen.

This screen displays live charger data and serves as your central hub. Use this screen to:

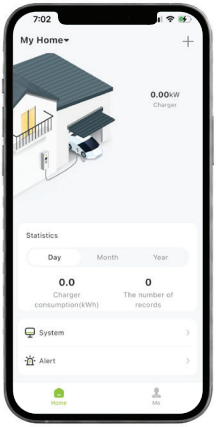
1. Change Charger Settings: Customise and update your charging preferences.
2. View Alerts: That may have happened. for troubleshooting the alerts refer to the guide at the end of this manual.



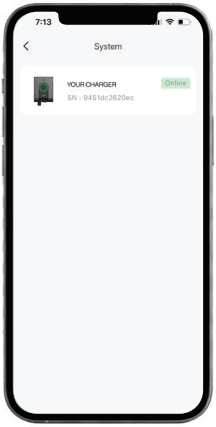
From the homepage, if you select “Me” at the bottom this is where you go to:

1. Change the name of the chargers location that appears on the homescreen, and invite others to connect to the charger through the app and set their permissions.
2. View messages.
3. Change to dark mode and set language.
4. Check for app updates.

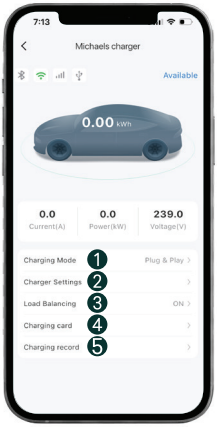
STEP 2.2 - CHANGING THE CHARGER SETTINGS



SELECT
"System" from the Home Screen.



SELECT
Your charger.



NAVIGATE
Through the 5 charger settings shown below:

There are 5 settings you can change:

1. Charging Mode: With 3 options to choose (default is plug & play):
   - A - Manual Mode: Turn on/off charging with app.
   - B - Plug & Play: Set as default
   - C - Schedule Charging: Set time period when you want charging to be.
2. Charger Settings:
   - A - Network: Change network connection.
   - B - Current limit: Change from what was set internally on the device.
   - C - Randomised delay: Set a range for the charger to randomly start.
   - D - Meter Calculation Method: Change from internal (default) to external.
   - E - Socket Lock Mode: 3 modes to choose from (normal is default).
   - F - More details: Provides device information.
   - G - Restart: Remotely reboot or restart charger.
   - H - Delete Device: Removes charger from your app profile.
3. Load Balancing: Here you can turn it off, change its settings, and also change to solar only charging.

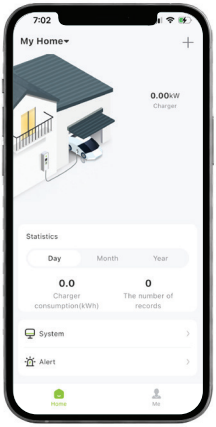
4. Charging Card: If you want to connect the 2 RFID cards to the charger follow the setup here.

5. Charging Record: Shows data related to current and past usage.

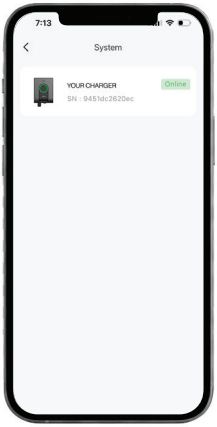
PLUG AND PLAY MODE
When Plug & Play mode is enabled, charging starts without authentication or app control. Anyone with access to the connector can use the charger. For security, only use this mode in private or restricted-access locations. Consider installing the charger in a secured area or using physical protection for the cable and charger.

STEP 3 - RFID CARD SETUP

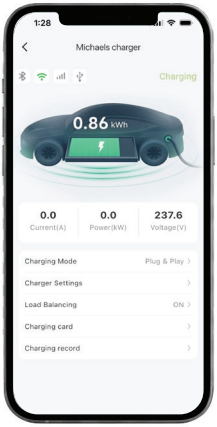
Before starting, ensure Plug & Play mode is disabled and Bluetooth is enabled on your phone.



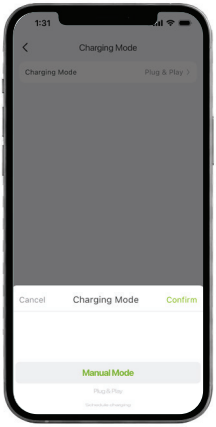
SELECT
"System" from the Home Screen.



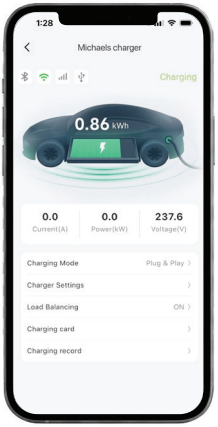
SELECT
Your charger.



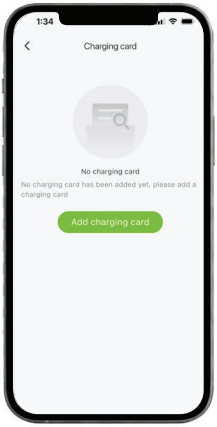
SELECT
"Charging Mode".



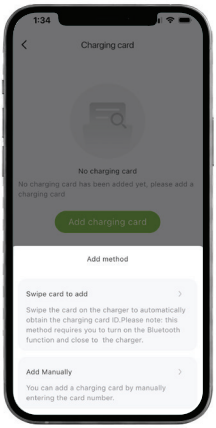
CHANGE
Charging Mode from the default Plug & Play and select "Manual Mode".



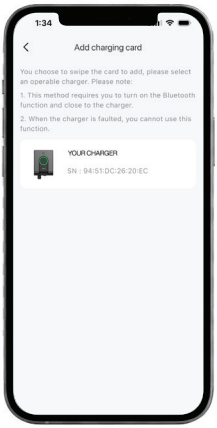
RETURN
To the Charger screen and select "Charging Card".



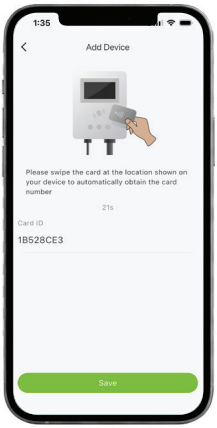
SELECT
"Add Charging Card".



CHOOSE
How to add a card:
“Swipe” or “Manual”.



IF CHOOSING
To swipe card
to add you will see
the above screen.



TO ADD A CARD BY:

- Swiping:
Swipe the card on the front of the charger. You will hear a beep and it will fill in the card ID number.

- Manually:
Just enter the ID on the front of the card.

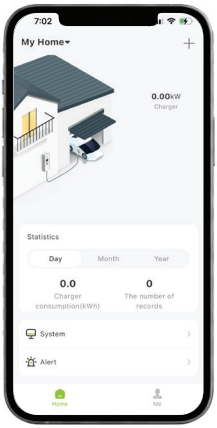


REPEAT
The process to add
the other card.

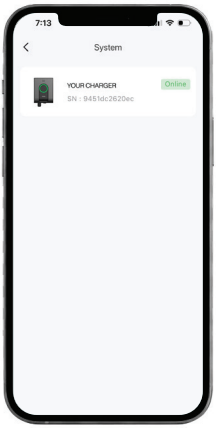


TAP
The pencil icon
to change the
card name.

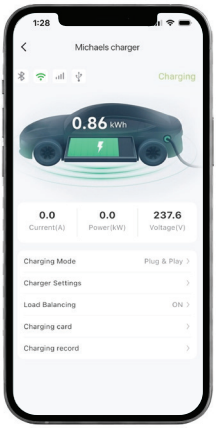
STEP 4 - SCHEDULING



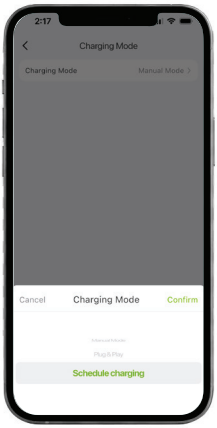
SELECT
"System" from the Home Screen.



SELECT
Your charger.



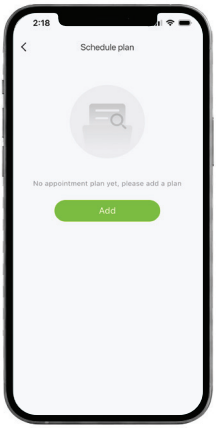
SELECT
"Charging Mode".



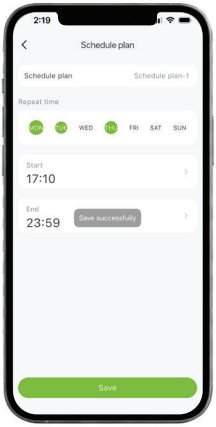
CHANGE
Mode to "Schedule Charging".



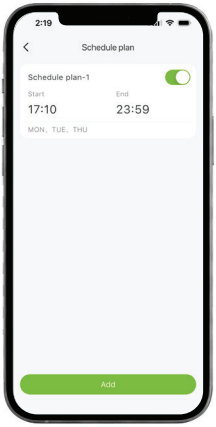
SELECT
"Schedule Charging".



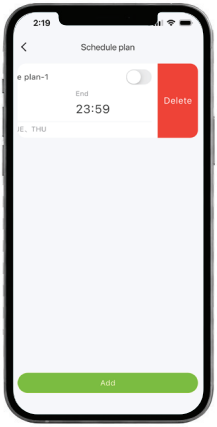
SELECT
"Add".



SET
Your days and time then save.



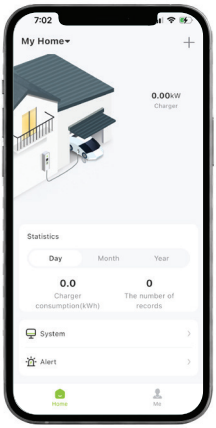
ONCE
The schedule is saved, you can select toggle to pause it.



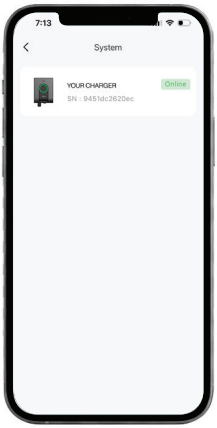
SWIPE
Left to delete the schedule (if desired).

IMPORTANT NOTES
Manage multiple concurrent schedules by using the toggle switch to enable or disable them as required, or swipe left on any entry.

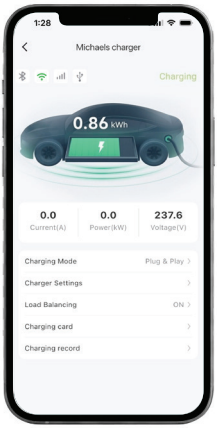
STEP 5 - SOLAR ONLY CHARGING (REQUIRES OPTIONAL CT MODULE)



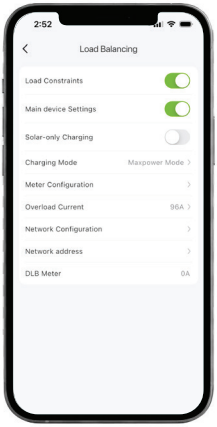
SELECT
“System” from the Home Screen.



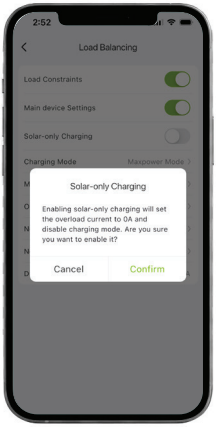
SELECT
Your charger.



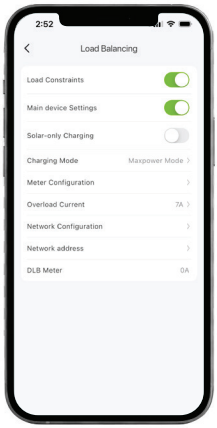
SELECT
“Load Balancing”.



SELECT
"Solar Only Charging" and record the overload current.



CONFIRM
That overload current will be set to "0".



IMPORTANT
When Solar Only Charging is disabled, the charger will automatically restore the previously configured overload current setting that was in use before Solar Only Charging was enabled.

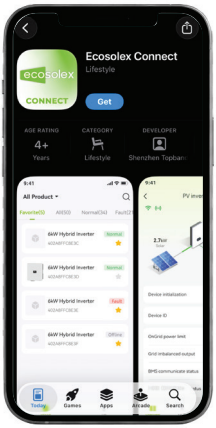
If the charger supply cable or electrical circuit is not rated for maximum output current, the current limit must be reduced accordingly to ensure safe operation and compliance with applicable electrical standards.

The default current limit is set to the maximum output current supported by the charger. The charging current limit should be configured by the licensed installer to suit the installation requirements, including supply capacity, circuit protection, and cable sizing.

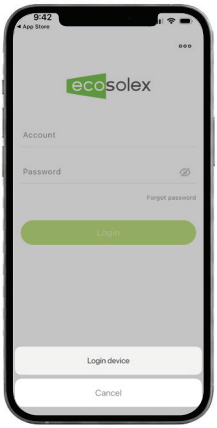
STEP 6 - CONNECT APP SETUP AND OCPP CONFIGURATION

This will allow the Installer to be able to configure Device Parameters, Networks, CT Module settings and OCPP without having to involve the user for most provisioning settings.

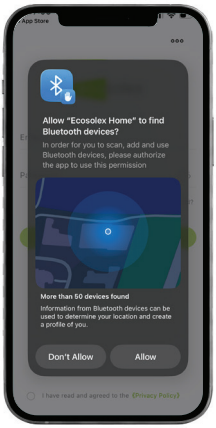
Additional user-based settings can only be done via the Ecosolex Home app for charging options, schedules, RFID card configuration, etc.



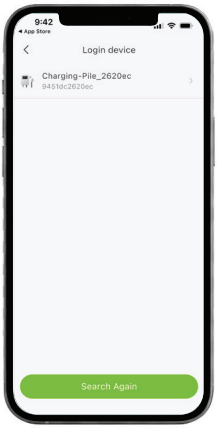
DOWNLOAD
The Ecosolex Connect APP.



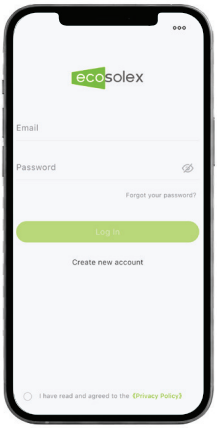
SELECT
The three dots (○○○) in the top right corner.



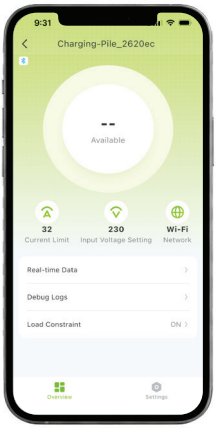
ALLOW
To be able to connect the charger.



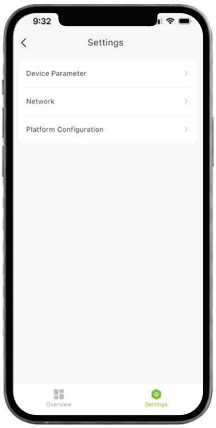
SELECT
Your charger.



LOGIN
Using the 8-digit pin recorded on the page 3.



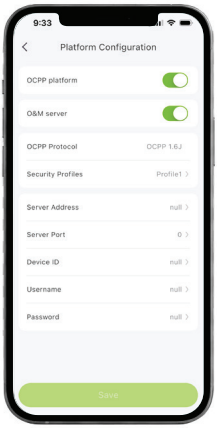
SELECT
"Settings" from the main screen.



SELECT
“Platform
Configuration”.



TURN ON
“OCPP” by switching
on the toggle.



CONFIGURE
For OCPP here.

EXAMPLE CHARGEHQ OCPP SETTINGS

SETTINGS	VALUE
OCPP Version	1.6 or 1.6J
OCPP Server Address	ws://ocpp.CHARGEHQ.net/ocpp16/
Port	80
SSL Connection	No

OCPP CONNECTION NOTES

OCPP server addresses (WebSocket URLs) generally begin with:
- ws:// for standard connections
- wss:// for secure SSL connections
- If the server address begins with ws://, the default port is typically 80.
- If the server address begins with wss://, the default port is typically 443.

EVSE ID / DEVICE ID



By default, the charger EVSE ID (unique charger identifier) is set to the charger MAC address. This can be found on the product label located on the side of the charger.

The EVSE ID is used by the CPO platform to uniquely identify the charger. If preferred, the default EVSE ID can be changed within the OCPP Platform Configuration section of the app.

If your CPO provider supplies a custom charger identifier or EVSE ID, this value can be entered into the Device ID field within the app configuration.

SEVR

CONNECT TO A THIRD-PARTY APP

OPEN CHARGE POINT PROTOCOL (OCPP) CONFIGURATION (ADVANCED)

Your Opti EV chargers can be connected to a third-party application that can interface with OCPP, or a Charge Point Operator (CPO) using the OCPP communication protocol 1.6J.

OCPP enables the charger to communicate with external charging management platforms for functions such as remote monitoring, user authentication, and session control.

WHY USE A THIRD-PARTY CPO?

This allows the charger to be used in residential, commercial, or fleet environments with greater flexibility and control.

Users may choose to integrate their charger with an external OCPP platform for benefits such as:
- Centralised management of multiple chargers across different sites
- External payment and billing systems (e.g. public or workplace charging networks)
- Integration with energy management or smart home platforms (e.g. Home Assistant)
- Remote monitoring, reporting, and usage analytics independent of the native app
- Access control for multiple users or tenants via external platforms

CHARGER CONFIGURATION

EXAMPLE OCPP CONFIGURATION — CHARGEHQ

To connect any Opti Series charger to the Charge HQ platform, follow the steps below:

- Download and install the Ecosolex Connect App.
- Log in to Ecosolex Connect App using the 8-digit pin code for device login.
- Obtain the OCPP connection details from your chosen CPO platform.

For CHARGEHQ setup information, refer to CHARGEHQ OCPP Charger Configuration Guide by scanning the QR code.

Scan to download

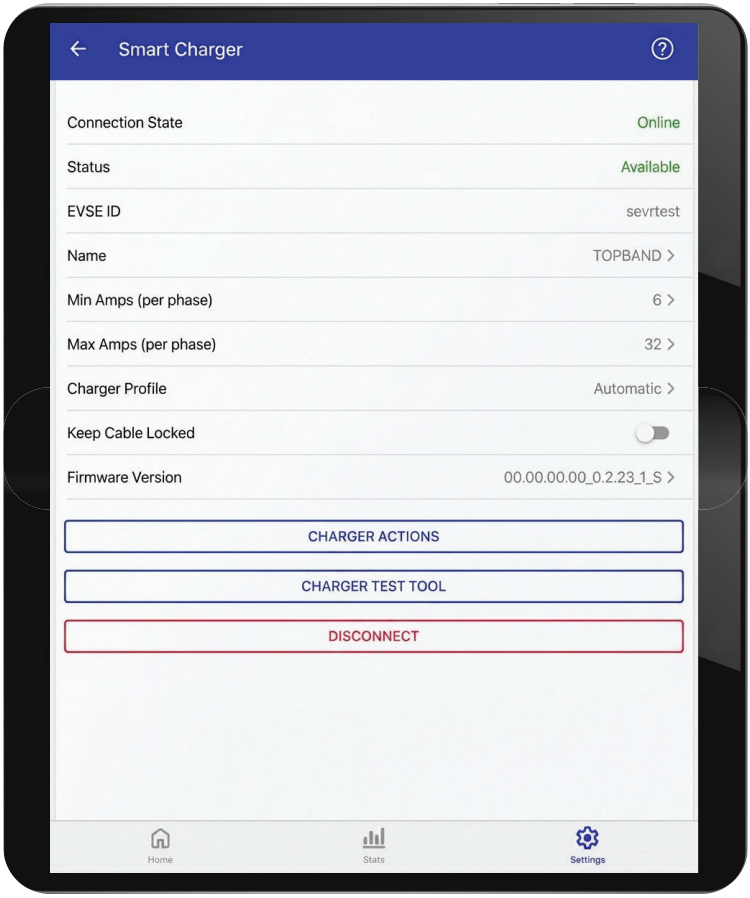
RETURN TO ECOSOLEX HOME APP MODE

To switch the charger back from OCPP operation to Ecosolex Home App control, disable the OCPP Platform setting within the Ecosolex Connect App and tap Save.

The charger will automatically restart. Once rebooted, the charger can be paired and managed again using the Ecosolex Home App.

FINAL RESULT IN CHARGEHQ'S PORTAL

This is an example of the CHARGEHQ's app showing successful connection.



OPTI

EV CHARGER USER MANUAL

7KW SINGLE-PHASE | 22KW THREE-PHASE



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