

Green Cell

**Habu SE
Mobile Charging Station
User Guide
General Warranty Conditions**

For the most up-to-date
user guide, go to
greencell.global.

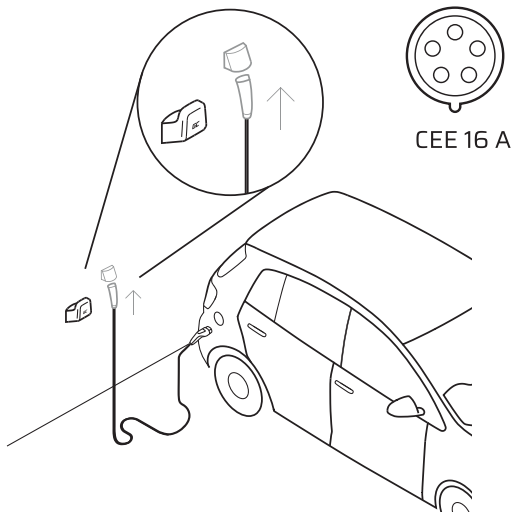
FIRST USE

01

Connect the power plug to the red industrial socket

DE // Stecken Sie den Netzstecker in die rote Industriesteckdose

PL // Podłącz wtyczkę zasilania do czerwonego gniazda przemysłowego



CEE 16 A

02

Start configuration

DE // Konfiguration starten

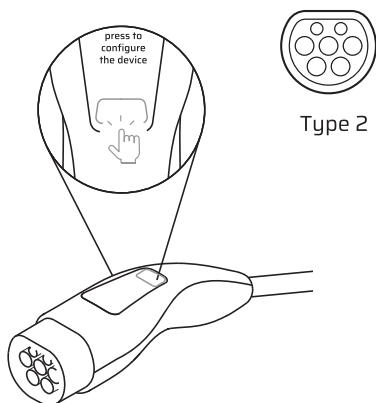
PL // Rozpocznij konfigurację



[short press to begin]

DE // [kurz drücken, um zu beginnen]

PL // [naciśnij krótko, aby rozpocząć]



Type 2

03

Set language

DE // Sprache einstellen

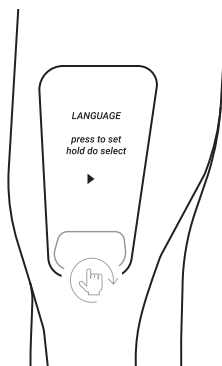
PL // Ustaw język



[short press to switch]

DE // [kurz drücken zum Umschalten]

PL // [naciśnij krótko, aby przełączyć]



Choose language

DE // Sprache wählen

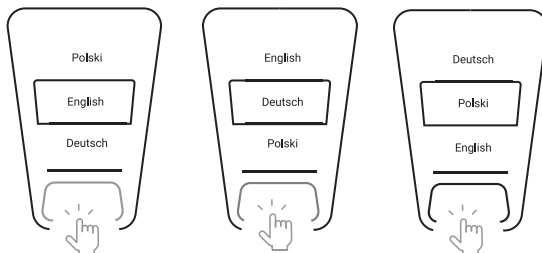
PL // Wybierz język



[press and hold to set]

DE // [zum Einstellen drücken und halten]

PL // [naciśnij i przytrzymaj, aby ustawić]



REGULAR USE

01

Perform step 01 from FIRST USE

DE // Schritt 01 von FIRST USE ausführen

PL // Wykonaj krok 01 z FIRST USE

02

Unlock the device

DE // Entsperren des Geräts

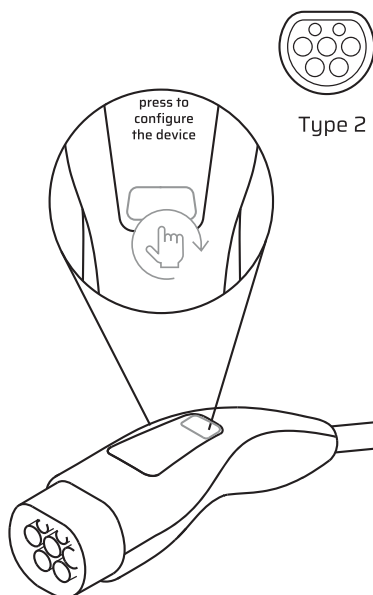
PL // Odblokuj urządzenie



[press and hold to unlock]

DE // [zum Entsperren gedrückt halten]

PL // [naciśnij i przytrzymaj, aby odblokować]



03

Set power

DE // Leistung einstellen

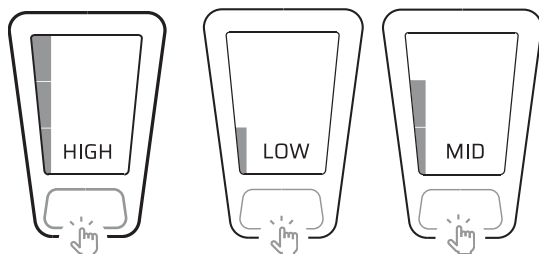
PL // Ustaw moc



[short press to switch]

DE // [kurz drücken zum Umschalten]

PL // [naciśnij krótko, aby przełączyć]



04

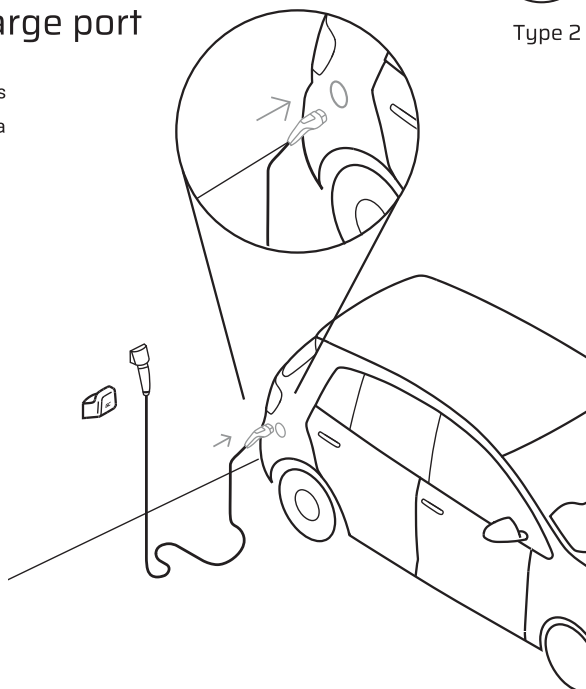
Connect the Type 2 connector to the vehicle's charge port

DE // Verbinden Sie den Typ-2-Stecker mit dem Ladeanschluss des Fahrzeugs

PL // Podłącz złącze Type 2 do gniazda ładowania w pojeździe



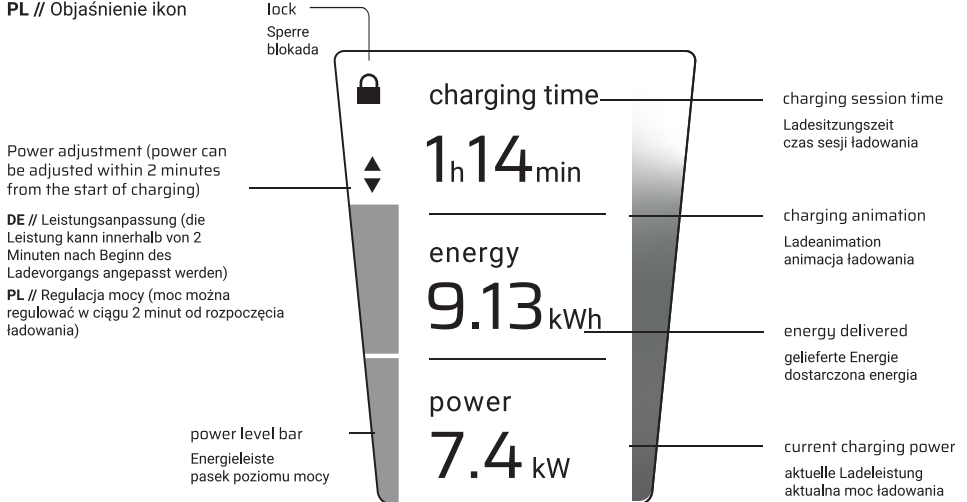
Type 2



Description of icons

DE // Beschreibung der Icons

PL // Objasnienie ikon



05

Stop charging and disconnect the device

DE // Laden stoppen und das Gerät abtrennen

PL // Zakończ ładowanie i odłącz urządzenie



[press and hold to stop and release]

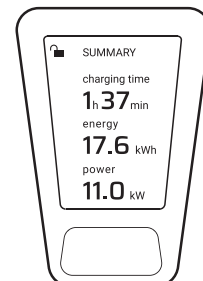
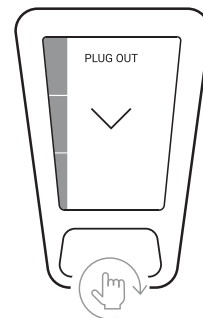
DE // [drücken und halten zum stoppen und loslassen]

PL // [naciśnij i przytrzymaj, aby zatrzymać i zwolnić]

Summary of the session
will be displayed

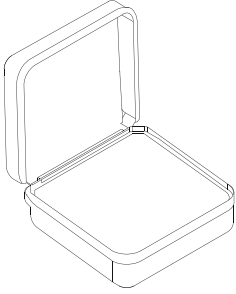
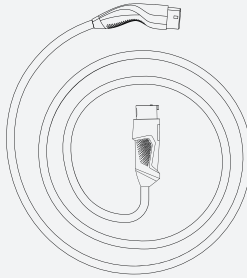
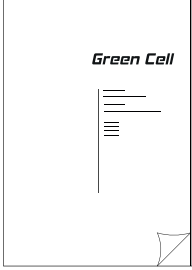
DE // Zusammenfassung der Sitzung wird angezeigt

PL // Na ekranie wyświetli się podsumowanie sesji



EN/ USER GUIDE

WHAT'S IN THE BOX

HARD EVA PROTECTIVE CASE	HABU SE	USER GUIDE AND GENERAL WARRANTY CONDITIONS
		

SAFETY RULES

Caution is required while using and disposing of the device. Incorrect usage and not following the guidelines below may pose a threat to life or health and property.

Note: It is required that the power supply network to which Habu SE is connected be equipped with an upstream protection device: circuit breaker 20 A.

/General precautions

- Carefully read all of the following precautions before using the device.
- The device is intended for use only with electric vehicles with a Type 2 connector.
- The power rating of the device must match that of the power supply network.
- Make sure that the input voltage, frequency and other parameters of the device comply with specification of your vehicle before the device is powered on.
- Use and store the device in temperature -25 °C to 45 °C (-13 °F to 113 °F).
- Do not expose the device to extreme temperatures, direct sunlight and fire. If the device is exposed to strong sunlight or heat for a long period of time, its temperature may exceed the permitted operating range.
- Protect the device from moisture, liquids, excessive dust and fumes.
- Keep the device away from flammable materials and gases or explosive materials.
- Store the device in a dry place only.
- Always keep the plug and the connector completely dry and clean.
- Do not put any objects or parts of your body into the device plug or connector.
- Do not handle the device with wet hands.
- Do not use extension cords.
- Do not use adapters.
- Do not use a power supply network outlet that is worn out or damaged.
- It is recommended that the electrical installation you use for charging your EV is inspected by an electrician.

- Keep the device away from children, unauthorized persons and animals.
- Persons with reduced capabilities or lack of experience and knowledge must be supervised or previously instructed before using this device.
- Use the device in accordance with general safety rules and safety requirements for working with electrical equipment applicable to a given country or region.
- Make sure you know what to do in case of accidents involving electricity and what to do in case of fire.
- Use the device in accordance with local requirements and limitations.

/Operating precautions

- Check for any damage to the packaging and the device that may have occurred during shipping. Do not use the device if you notice any damage to it. In such case, contact the manufacturer's warranty service.
- Do not use any sharp objects to open the packaging. This may damage the device.
- Do not leave the packaging or its components near children. The packaging components in the hands of children may lead to choking.
- Before charging, make sure that the device is not damaged and its plug and connector are dry and clean.
- Connect the device only to a correctly installed and properly grounded power supply network.
- Never open the device housing. Touching live parts may be lethal.
- To avoid exposure to electric shocks, never unplug the connecting plug while it is under load. Stop the charging process in the vehicle first before disconnecting the plug.
- Never use the device when the cable is tangled or coiled. This may lead to overheating. If this happens, do not touch the device parts with your bare hands.
- Do not use the device if it is visibly damaged or suspected of being damaged, or if it indicates any critical malfunction.
- The device shall not be used if it fails to operate correctly in accordance with the instructions. In such case, seek advice from the manufacturer, responsible vendor or an electrician.
- If you discover damage to the device during operation, stop the charging process in the vehicle first. Then, unplug it from the power supply network.
- If the device is damaged, it can be repaired only by the manufacturer.
- Unauthorized modification or interference with the construction, electronics or software of the device is prohibited.
- Failure to comply with any of the above precautions will void the warranty and may result in damage to the device, the electrical system or the vehicle.
- Improper use of the device by not following any of the above precautions may result in fire, and in extreme cases, may lead to loss of health or life as a result of electric shock.
- The manufacturer is not responsible for property damage, loss of health or life in case of failure to comply with any of the above precautions.

At the end of its useful life, do not dispose of this product with your normal household waste. For proper treatment, recovery and recycling, take it to a designated collection point.

REGULATORY INFORMATION

Hereby, CSG S.A. declares that equipment type EVGC01SE is in compliance with Directives 2014/30/UE and 2014/35/UE.

The full text of the EU declaration of conformity is available at the following internet address: <https://greencell.global/>.

RoHS Compliance

This product is in compliance with Directive 2011/65/EU of the European Parliament and of the Council of 8 June 2011, on the restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS) and its amendments.

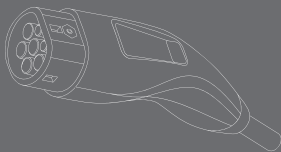
REACH (Registration, Evaluation, Authorization and Restriction of Chemicals, EC No 1907/2006) is the EU chemical substances regulatory framework. CSG S.A. complies with all requirements of the regulation and we are committed to providing our customers with information about the presence of REACH Substances of Very High Concern (SVHCs).



The WEEE symbol means that according to local laws and regulations your product and its battery(ies) should be disposed of separately from household waste. When this product reaches its end of life, take it to a collection point designated by local authorities for safe disposal or recycling. The separate collection and recycling of your product, its electrical accessories, and its battery will help conserve natural resources, protect human health, and help the environment.

DEVICE DESCRIPTION

In Habu SE, all the electronics is integrated in the plug and in the connector.

CEE PLUG 16 A 5P (FUNCTION BOX) 	Monitors correctness of power supply network parameters (V, A)
	Contains sensors that measure voltage, current and leakage current
VEHICLE TYPE 2 CONNECTOR (CONTROL PILOT) 	Displays charging parameters
	Enables selecting charging power

FUNCTIONS

NAME	DESCRIPTION
LCD DISPLAY	Displays current operating status, charging parameters, options in the menu
CURRENT AND VOLTAGE SENSOR	Measures current and voltage to control correctness of the charging process
ENERGY METER	Measures energy consumed by the vehicle, which is displayed on the screen
QUIESCENT CURRENT SENSOR	Measures leakage current and protects you and your vehicle
UNDERVOLTAGE AND OVERVOLTAGE PROTECTION	If the power supply network voltage is too high or too low, the device will not start the charging process or interrupts it until the voltage is within the allowable range
POWER REGULATION	Allows for adjusting the charging power at 3 levels
HAPTIC FEEDBACK	Soft vibrations deliver the feeling of immediate response every time you press the button, plug the device in for charging or if an error occurs

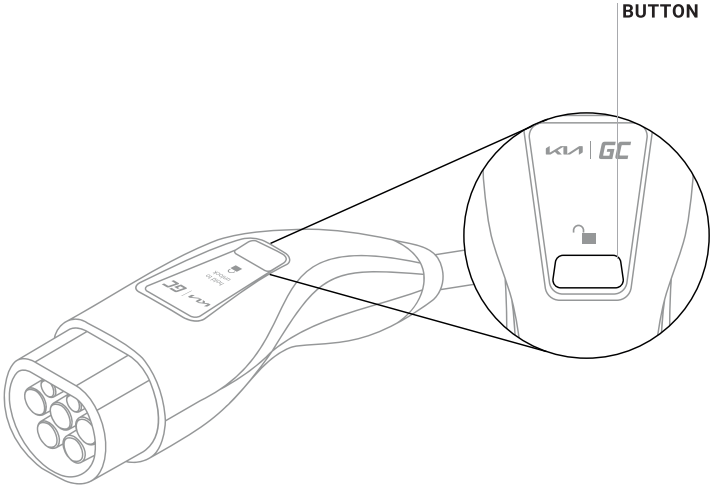
OPERATING INSTRUCTIONS

The device is operated with the use of button placed in the Type 2 connector.

Note: Each time you press the button, the shaker activates so you feel vibrations. The shaker turns on also if you plug the device in to the car or in case of errors.

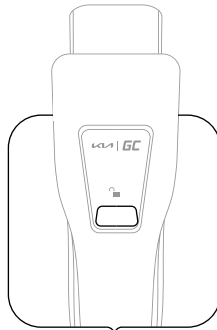
/Button operation

Note: First, connect your device to a power supply network.





ACTION:
Long press
and release



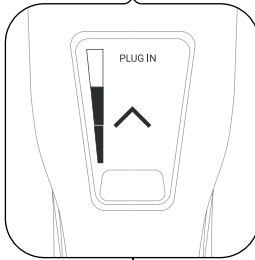
RESULT:
- Charging port is unlocked



ACTION:
Plug the device into
the charging port



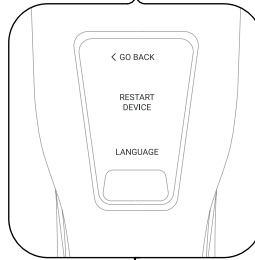
RESULT:
Charging process
is started



ACTION:
Press and hold
the button for at
least 4 s



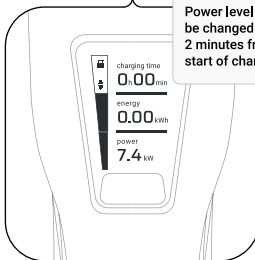
RESULT:
Options of the
menu are
displayed



ACTION:
Short press to
change charging
power



RESULT:
Charging power
is changed



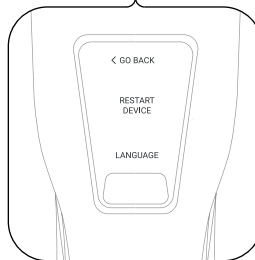
NOTE:
Power level can
be changed within
2 minutes from the
start of charging.



ACTION:
Short press to switch
between options



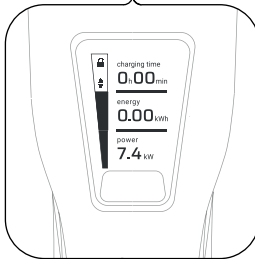
ACTION:
Long press to
confirm your
selection



ACTION:
Long press to
unlock port /
stop charging



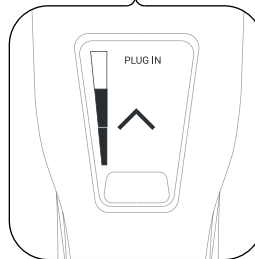
RESULT:
Charging process
is stopped



ACTION:
Choose option
< GO BACK and
long press



RESULT:
Start screen
is displayed



/Menu options

Note: If you want to go to the menu, your device must be unplugged from the vehicle.

OPTION	FUNCTION
LANGUAGE	You can select a language
DEVICE INFO	Displays information about product name, serial number and current firmware version
< GO BACK	You are redirected from the menu to the start screen
RESTART DEVICE	The device is turned off and then on
FACTORY RESET	Restores the factory settings (then you must configure the device again)
STATISTICS	You can display up to 20 last charging sessions in the menu
STATISTICS CLEARING	You can clear the collected statistics here
DEVICE SETTINGS	You can turn the following features on/off here: LED light, haptic feedback and lock screen
SAFETY SETTINGS	You can disable the safety mode here

INSTRUCTIONS OF USE

/Charging

Note: Before using the device for the first time, you must configure it. Follow instructions displayed on the device screen.

Note: The device performs a self-test upon connection to a power supply network and before each charging session, based on which it determines the correct operation of the leakage current sensor.

To start charging your EV:

1. Park your vehicle near a power supply network outlet.
2. Check if the device and its parts are clean, dry and not damaged.
3. Make sure that the cable is fully uncoiled and there are no loops.
4. Connect the device to the power supply network. The LED will light up and the LCD display will turn on.
Note: Each time you connect the device to the power supply network, a self-test is performed. An error code is displayed only if something goes wrong.
5. Press and hold the button to unlock the device.

Note: In accordance with EN 17186:2019, graphical indication of the compatibility of vehicles and charging infrastructure is mandatory for commercial use. Look for the labeling on the vehicle charging port flap that matches the labeling (C) on the connector of this device.

6. Plug the device Type 2 connector into the vehicle charging port. Shortly, charging parameters will be displayed.
7. Now you can adjust the charging power at 3 levels by short pressing button. Each time you press the button, power value goes up (or down) which is indicated by the bars on the left side of the display.
Note: You can modify the charging power during a charging session within 2 minutes from the start of charging.

8. When the charging is completed, or when you want to stop charging your EV, long press the button to unlock the vehicle charging port and unplug the device.
Note: In some vehicles, you must unlock the charging port inside the car first, then you can unplug the device.
Note: If charging is interrupted while the connector is plugged in, you must remove the connector and plug it in again.
9. Once the vehicle is fully charged, or after the device is unplugged, charging session summary is displayed. The summary includes information about charging time, consumed energy and average charging power.
Note: Up to last 20 charging sessions is also displayed in the menu if you plug the device in to a fully charged vehicle.
10. Disconnect the device from the power supply network.
11. Put on protective caps on the connector and the plug.
Note: The device is intended for outdoor use (minimum IP55). This protection grade applies to the plug (function box). The protection grade of the connector (control pilot) is IP67. When not in use, protect especially the ends of the connector and the plug from water, dust and other harmful substances by using the protective caps.

/Maintenance and cleaning

Follow these instructions to keep your device clean and safe:

- Before cleaning, unplug the device from power supply network.
- Clean only the outside of the device.
- Use slightly moist or antistatic cloth.
- Do not use any detergents or chemicals to clean the device.
- Always keep the connector and the plug dry and clean. If they are wet, let them dry completely before use.
- When the device is not plugged in, always put on the protective caps.
- Store the device in a dry place, most preferably in the provided case.

TROUBLESHOOTING

ERROR (CODE)	WHAT HAPPENED	WHAT TO DO
Leakage current too high (01)	- Vehicle failure - Device failure - Damaged charging cable	1. Disconnect the device from the vehicle- and the power supply network. 2. Carefully check for mechanical damage to the device. 3. If the device is not damaged, connect it to the power supply network and the vehicle again. 4. If after 3 attempts the error still occurs, contact the manufacturer's customer support: support@greencell.global.
CPU error (02)	- Device failure - Damaged charging cable - Damaged plug	1. Disconnect the device from the vehicle and the power supply network. 2. Carefully check for mechanical damage to the charging cable and the plug. 3. If the device is not damaged, connect it to the power supply network and the vehicle again. 4. If after 3 attempts the error still occurs, contact the manufacturer's customer support: support@greencell.global.

Charging current too high (03)	- Device failure - Damaged charging cable	1. Disconnect the device from the vehicle and the power supply network. 2. Carefully check for mechanical damage to the charging cable, the device connector and the plug. 3. If there is no sign of a short circuit, connect the device to the power supply network and the vehicle again. 4. If the error still occurs, contact the manufacturer's customer support: support@greencell.global.
Control pilot signal failure (04)	- Vehicle failure - Type 2 connector failure	1. Disconnect the device from the vehicle and the power supply network. 2. Carefully check for mechanical damage to the device Type 2 connector. 3. If the device is not damaged, connect it to the power supply network and the vehicle again. 4. If the error still occurs, contact the manufacturer's customer support: support@greencell.global.
Temperature too high (05)	- Temperature in the CEE plug is above 85 °C (185 °F) during charging	1. The device will resume charging once the temperature in the plug drops below 80 °C (176 °F).
Unknown error (06)	- Device failure	1. Disconnect the device from the vehicle and the power supply network. 2. Carefully check for mechanical damage to the charging cable, the device connector and the plug. 3. If the device is not damaged, connect it to power supply network and the vehicle again. 4. If the error still occurs, contact the manufacturer's customer support: support@greencell.global.
Incorrect mains voltage (07)	- Too small cross-section of supply cables in the electrical installation - Power supply network failure	1. Disconnect the device from the vehicle and the power supply network. 2. After a while, connect the device again (the failure may be temporary). 3. If the error still occurs, contact an electrician.

Relays error (08)	- Device failure	1. Disconnect the device from the vehicle and the power supply network. 2. Carefully check for mechanical damage to the charging cable and the plug. 3. If the device is not damaged, connect it to the power supply network and the vehicle again. 4. If after 3 attempts the error still occurs, contact the manufacturer's customer support: support@greencell.global.
Incorrect socket wiring (09)	- Incorrectly connected wiring in the power outlet	1. Disconnect the device from the vehicle and the power supply network. 2. Contact an electrician to have the wiring in the power outlet inspected. For the electrician: The fault may occur in a 1-phase installation. Check that the L1 and N wires are not reversed. 3. If the installation has been modified by an electrician, connect the device to the power supply network again. 4. If the error still occurs, contact the manufacturer's customer support: support@greencell.global.
No response after connecting to the power supply network/black screen	- Device error	1. Disconnect the device from the vehicle and the power supply network. 2. Carefully check for mechanical damage to the charging cable, the device connector and the plug. 3. If the device is not damaged, connect it to the power supply network and the vehicle again. 4. If the error still occurs, contact the manufacturer's customer support: support@greencell.global

SPECIFICATION

NAME	MODEL
Habu SE	EVGC01SE
ELECTRICAL DATA	
Voltage	400 V~, 3P
Rated current	16 A

Rated frequency	50/60 Hz
Total power	11 kW (3-stage regulation)
Protection grade	Connector (control pilot): IP67 Plug (function box): IP55 Entire device: IP55
Overvoltage category	II
Rated residual operating current	20 mA, DC 6 mA
Residual non-operating current	10 mA, DC 3 mA
Residual current circuit breaker	Built-In RCD Type A with DC protection
Earthing/grounding system	TN-S, TN-C-S, TT, IT
PHYSICAL PROPERTIES	
Cable length	7 m
Weight	3.15 kg (6.9 lb)
Dimensions (box)	360 x 360 x 140 mm (14.2 x 14.2 x 5.5 in)
ENVIRONMENTAL CONDITIONS	
Operating temperature	-25 °C to +45 °C (-13 °F to +113 °F)
Storage and transportation temperature	-40 °C to +85 °C (-40 °F to +185 °F)
Altitude	< 2000 m
Humidity	< 75%, non-condensing
STANDARDS	
Conformity with	IEC 62196, IEC 62752, IEC 60309, EN 62752:2016/ A1:2020
Input	CEE 16A 5P (IEC 60309)
Output (vehicle connector)	Type 2 (IEC 62196)
EV charging mode	Mode 2
IC-CPD type	LLLNE
EMC classification	Environment B

Note: According to the standard, the measured cable length includes the parts inside the connector and the plug housing. The length may vary by a maximum of ± 5 cm depending on the batch.

/Charging levels

The device allows you to adjust the current at 3 levels. See the table to check energy consumption for each configuration.

SUPPLY	LOW	MID	HIGH
3-PHASE	6 A (3.6 kW)	10.6 A (7.2 kW)	16 A (11 kW)
2-PHASE	6 A (2.4 kW)	10.6 A (4.8 kW)	16 A (7.2 kW)

Note: For maximum safety, the device detects when a vehicle is being charged with 1 phase and then turns into a special mode that limits charging power.

SUPPLY	LOW	MID	HIGH
1-PHASE	6 A (~1.2 kW)	10.6 A (~2.4 kW)	16 A (~3.6 kW)
1-PHASE (safety mode*) * It can be disabled in the settings.	6 A (~1.2 kW) (after 2 hours)	10 A (~2.2 kW)	13 A (~3.1 kW)

GENERAL WARRANTY CONDITIONS

1. CSG S.A., with its seat in Cracow (ul. Kalwaryjska 33, 30-509 Kraków, Poland), hereinafter referred to as the Guarantor, guarantees proper and failure-free operation of the product throughout the warranty period.
2. The warranty period shall last for 24 months and is calculated from the date of delivering the product to the Purchaser.
3. Territorial scope of warranty protection covers the European Union, countries of the European Economic Area, the United Kingdom, Russia, Ukraine, Turkey and Albania.
4. The warranty does not exclude, limit or suspend the rights of the Purchaser resulting from the implied warranty for defects.
5. In order to benefit from the warranty, contact the seller via e-mail: support@greencell.global. The handling of the complaint will be accelerated by a completed complaint form available at: greencell.global.
6. The Guarantor will inform the Purchaser about the method of processing the warranty complaint (i.e., acceptance or refusal of acceptance) within 14 days from the receipt of the product. In case the Guarantor acknowledges the validity of the complaint, the defect of the product will be removed by the Guarantor or the defective product will be replaced with one without defects within 14 days from the date of informing the Purchaser of the validity of the complaint. The Guarantor decides how the complaint will be handled, taking into account the Purchaser's request in the complaint form, if possible. If removal of defects due to the degree of difficulty requires a large amount of work or additional measures, this period may be extended, but the Guarantor will make every effort to repair the product as soon as possible.
7. In the case of acknowledging the validity of the complaint, the Guarantor covers the cost of delivery of the defective product to the Guarantor service and the cost of delivery of the repaired or replaced product to the Purchaser.
8. The Guarantor's liability covers only defects resulting from causes inherent in the product.
9. The warranty does not cover a product:
 - with broken warranty seal;
 - damaged by external factors (damage caused by lightning, surges in low voltage installation and power supply network, flooding, fire, intentional mechanical and thermal damage, etc.);
 - damaged due to improper use or use inconsistent with the manual;
 - damaged due to improper connection of other devices;
 - with traces of unauthorized repairs, unauthorized modifications or design changes.