



Electric Vehicle Charging

INTRODUCING THE EVIE 2.0



- Smart Charge Point Regulations Compliant
- OZEV Approved
- Earth Rod - Not Required
- Home Load Balancing as Standard
- Bespoke Mobile Application
- Anti-Tamper Alarm

Single 7.2kW 32A Single Phase - Product Catalogue

Product Code - ECSP732SHA

EVIE Smart Charge Point

Product Code: EVIECSP732SHA

Type 2, Mode 3, Single Phase, 7.2KW, 32A

Smart Wi-Fi App Monitoring



Introducing the new EVIE Charge Point

After 5 years of extensive Research & Development, two industry-leading companies based in the UK and Far East have joined forces.

Moss Electrical and Pheilix Technology are excited to announce the launch of their EVIE 7.2KW Smart Charge Point into the UK.

Our EVIE Smart Charge Point has been designed to provide users with the perfect EV charging solution for the home & commercial spaces.

All users can control EVIE using their mobile phone, allowing them to monitor all their charging activity. An LCD touchscreen is also included to operate the charger manually with RFID cards.



Product Main Features



Easy to Install



Mobile Phone Operated



SMART Integration



IK10 Impact Resistant



Flame Retardant



RFID Function



IP65 Weather Proof



Analytical Feedback



Additional Cables Available (Type 2)



Strong & Durable



Open Charge Point Protocol



LCD Screen

Smart Charge Point Regulations

These are the requirements that all private charge points should meet (domestic or workplace). Below are the main components of the set guidelines:

- Smart Functionality
- State of art software
- Communications
- Charge Point Security
- Compliance Documentation
- Default Charging Hours
- Randomised Delay

Features & Benefits

- OZEV grant approved (Residents in flats and rental properties, Landlords and Housing Associations & Apartment Block Owners, Small Accommodation Businesses, Commercially Let Property Owners & Small to Medium Business Enterprises)
- Home Load Balancing & Solar Monitoring - CT Clamp via RS485 Modbus to monitor current flow (Included)
- Input Voltage 230volts, 32amp
- Type B RCD - Provides a stable and reliable protection both for EV battery life and user's safety. Prevents DC leakage offering further protection for the unit
- Built in independent MID Meter, Intermediate Relay, Solid State Relay
- Built in Independent DC power supply for PCB
- Type 2 connection, Mode 3 charging
- Ready to install with standard wall bracket and fixings
- Ground Mount Stand (Optional)
- Ethernet Interface
- Emergency Stop Button
- Total Power Monitoring
- 3-year Manufacturer Guarantee
- Anti Tamper Monitoring
- Security Keys and Lock



Compliant with British Standards

- ☑ Smart Functionality, including OCPP1.6J, default off-peak and randomised delay.
- ☑ Electricity supplier interoperability.
- ☑ Continued charging if the charge point ceases communications network via RFID.
- ☑ Extra safety provisions.
- ☑ CT Clamp via RS485 Modbus to measure or calculate imported or exported electricity.
- ☑ Cyber Security Standard ETSI EN 303 645
- ☑ Electromagnetic compatibility directive 2014/30/EU
- ☑ Low voltage directive 2014/35/EU
- ☑ British Standards Compliance : BSEN61851-1:2019
- ☑ ESD Compliance : IEC 60950
- ☑ Safety Compliance : IEC 61851-1:2019, IEC61851-22, IEC 62196-1:2003, BS7671:2018/Amendment 1:2020



Pheilix Smart APP

Full control over your charge point.

- Charging Statistics on kWh, Status, Carbon Intensity, Sulphur Dioxide, Dust Emission
- Charging Status
- Home Load Balancing Selection
- Start or Stop Charges
- Anti-Tamper Alarm notification
- Authorise other users
- Default Off-Peak Charging
- Randomised Delay
- Demand Side Response

RFID Cards

- Bind cards using the 'Pheilix Smart APP'
- Initiate a charge by tapping the card against the RFID reader
- Additional Security Feature
- Supplied with 3x RFID cards as standard
- Additional Cards can be supplied



Download the Pheilix Smart APP

Our "PHEILIX Smart APP" can be found in the Apple Store or Google play. Type "PHEILIX Smart" in to your search.



Pheilix Smart



Average Home Charging Time

Car Model	Battery Size	Av. EVIE Charging Time	Av. Charging Cost
Mini Electric	33kWh	4.7hrs	£11*
Audi Q4	77kWh	11hrs	£26*

*Based on 0.34p per kWh. Mini Electric 135kW Level 1 Auto 3 Door & Audi Q4 e-Tron 40 S Line 150kW Auto

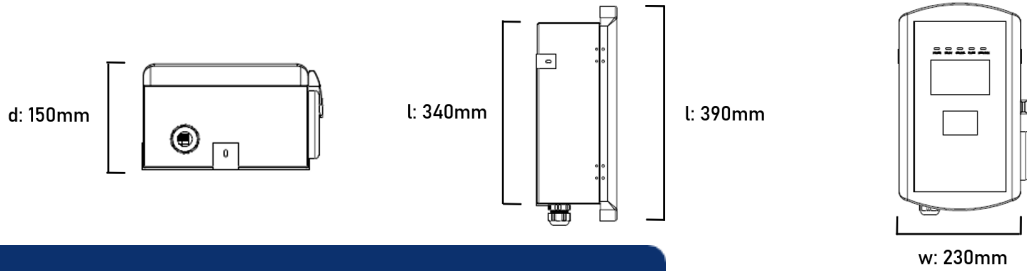


Did you know?

Home charging is up to 70% cheaper than charging at public service stations.



Dimensions



Technical Information

Performance

Housing Case	Stainless Steel
Mounting Location	Outdoor/ Indoor (Permanent)
Charging Model	Model 3 (IEC61851-1)
Charging Interface Type	IEC62196-2 Type 2 Socket
Charging Current	32A
Display	5" Touch LCD Screen & LED Indicator
Local Internet Connection	RJ45 Interface
Operation	App Monitoring + RFID Cards
IP Grade	IP65
Operation Temperature	-30°C ~ +55°C
Operation Humidity	5% ~ 95% without condensation
Operation Attitude	<2000m
Cooling Method	Natural air cooling
Enclosure Dimensions	390x230x150mm

Gross Weight	7KG
---------------------	-----

Input & Output

Input Voltage	230Vac±10%
Input Frequency	50Hz
Output Power	7.2KW
Output Voltage	230Vac
Output Current	32A
Standby Power Consumption	3w

Specifications

Earth Leakage Protection Type B RCD	√
PEN Protection as standard	√
No Earth Rod Required as standard	√
Independent AC Contactor	√
Independent MID Meter as standard	√
Independent Power Supply	√
Solenoid Locking Mechanism	√
Emergency Stop Button	√
Main Circuit CT for Load Balance	Included
Solar Circuit CT	Optional
Battery Circuit CT	Optional

Security Protections

PEN/PME Fault Protection	√
Over-voltage Protection	√
Under-voltage Protection	√
Overload Protection	√
Over Current Protection	√
Short Circuit Protection	√
Earth Leakage Protection (Pure DC type B RCD)	√
Ground Protection	√
Over Temperature Protection	√
Anti-Tamper Alarming	√

Software & Communications

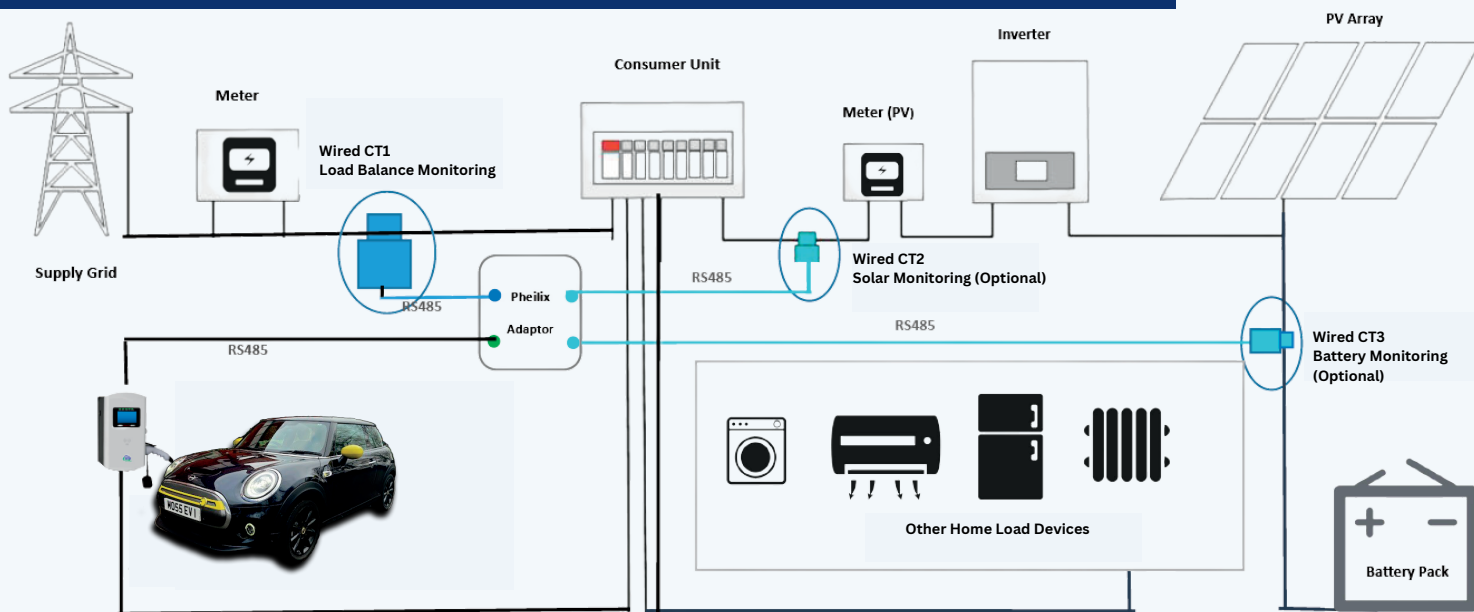
OCPPI.6 Protocol Management Platform	√
iOS & Android App System	√
Ethernet/RJ45 Connection Interface as standard	√
WIFI Connectivity as standard	√
RFID functionality for off-line as standard	√
Smart charge App Monitoring	√
Default Off-peak Charge App Monitoring	√
Random Delay App Monitoring	√
Respond of DSR Service App Monitoring	Optional

Mounting Accessories

Wall Mounting Bracket	Included
Ground Mounting Pole (1500*230)	Optional

Load Balancing, Solar & Battery Monitoring

RS485 Adaptor & Wired CT Clamp for Load Balancing (Included)



Load Balance Monitoring (Included)

Provided as standard as an extra safety feature. The current clamp will monitor the total load (amps) going through your home.

If the current clamp detects the load is close to exceeding the maximum the house can handle, the charge rate on the EVIE charge point will be reduced. Eliminating the house fuse from ever blowing.

Optional CT Clamps

- Wired CT Clamps for Sourcing from Solar or Battery Power via OCPP.

Flame Retardant Characteristics	UL94-V0
Insulation Resistance	>1000MΩ
Voltage Level	0.66KV
Compressive Strength	2KV/50HZ/1 MIN
Working Frequency	50HZ-2KHZ
Working Temperature	-30 - +70°C
Rated Input	100A
Rated Output	100mA
Rated Sampling Resistance	20Ω
Rated Sampling Voltage	2V

Transformation Ratio	1000/1
Rated Phase Difference	60(RL=0Ω)
Accuracy error	0.5%
Linearity	0.3%
Normally Current	0-100A(RL≤20Ω)
Max Current	0-120A(RL≤10Ω)
Secondary internal resistance	41±5Ω
Net Weight	82.1g
Wire Length	1000mm

OCPP1.6J Cloud Platform

Utilising OCPP1.6J on your 7.2kW EVIE Charge Point.

- ⚡ Dynamic Load Balancing Management
- ⚡ Earn money from your charge point and decide what you earn per kWh or transaction
- ⚡ Offer a free charge via RFID/ APP or use as pre-payment method
- ⚡ Manage your charge point online
- ⚡ Add your charge point to Zap-Map

Providing businesses, organisations and similar with the ability to deploy and self manage their very own EV charging network.

This unique platform provides an independent back-end management account for operators. Features including Live monitoring of charge point network including charging sessions, socket activity, tariffs, billing configuration and much more.



Generate revenue by charging your guests to use your EV charger.

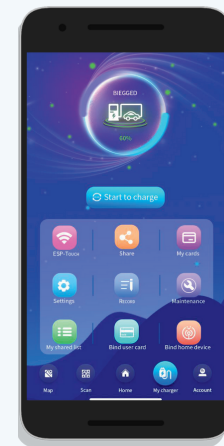
Payment Feature - Steps

Host

- Create a Stripe Account.
- Discuss requirements with EVIE.
- EVIE create platform.
- Add Payment Feature on Charge Point.

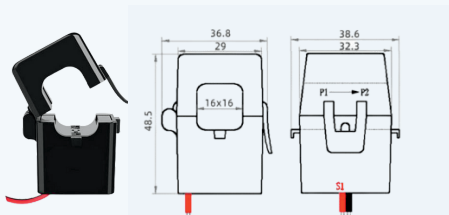
Guest

- Download Pheilix Smart App.
- Create an Account.
- Add Payment Option.
- Scan QR Code
- Start Charging



Pheilix Smart

Wired CT Clamp for Solar or Battery Monitoring



Main Features

- Solar or Battery Monitoring
- Via RS485 Modbus
- Energy flow from/ to battery (Monitoring/ Sourcing)

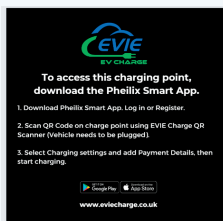
Charge Point Vinyl Wrap



Main Features

- Customer Branding
- Vinyl Wrap
- Choose from any colour

Payment Sticker



Main Features

- Vinyl Sticker
- Advise steps for payment method via App

OCPP1.6J Cloud Platform



Main Features

- Manage your charge point online
- Earn revenue

Extra RFID Cards



Main Features

- Unlimited amount of extra cards
- Use as pre-payment cards

EVIE Type 2 Cable



Main Features

- Type 2 to Type 2
- Single phase, 7.2KW, 32A
- Cable length: 5M
- Protection grade: IP55

EVIE Ground Mounting Pole



Main Features

- Unit dimensions (L*W*D): 1500*330*160mm

EVIE Portable Charger



Main Features

- Type 2 with British power plug
- Single phase, 13A
- User-friendly interface (Intuitive HMI with LED indicators)
- Robust and durable (IP65 rating)
- Cable length: 5m



Scan Me

Contact Us

Please contact Moss Electrical for more information or to make an enquiry:

Moss Electrical Co. Ltd
Maxmor House
Sandpit Road
Dartford
DA1 5BU

Moss Electrical (SW) Co. Ltd
Horsefair Road
Waterton Industrial Estate
Bridgend, South Wales
CF31 3YN

Moss Electrical (NW) Co. Ltd
Unit 18 Europa Way
Trafford Park
Manchester
M17 1JZ

Tel: 01322 282 700
sales@mosselectrical.co.uk

Tel: 01656 765 300
sales@mosselectricalsw.co.uk

Tel: 0161 848 2468
sales@mosselectricalnw.co.uk

