



# Electric Vehicle Charging

**INTRODUCING THE NEW EVIE CHARGER.**



Smart Charge Point  
Regulations, 2021 Compliant



OZEV Approved



Earth Rod not required

**Single 22kW 32A Three Phase - Product Catalogue**

**EVCTP2232SRF - Black**

e: [sales@eviecharge.co.uk](mailto:sales@eviecharge.co.uk)

t: 01322 282 700

w: [eviecharge.co.uk](http://eviecharge.co.uk)

# EVIE Smart Charge Point

Product Code: EVIEEVCTP2232SRF  
Three Phase, 380V, 22KW, 32A, Socket  
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 Huade Technology** are excited to announce the launch of their EVIE 22KW Smart Charge Point into the UK.

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

All users can control EVIE using their mobile phone, allowing them to monitor all their charging activity. The charge point can also be activated manually via RFID cards.



Unit Shown: EVIEEVCTP2232SRF



## Product Main Features



Easy to Install



Mobile Phone Operated



SMART Integration



IK10 Impact Resistant



Flame Retardant



RFID Function



IP55 Weather Proof



Analytical Feedback



Additional Cables Available (Type 2)



Strong & Durable



Open Charge Point Protocol



LCD Screen

# Smart Charge Point Regulations, 2021

These are requirements that all smart charge points should meet. 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)
- Input Voltage 380volts, 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 and Type B Residual Current Monitoring Module for Earth Protection
- Dynamic Load Balance Monitoring, Solar Power Monitoring and Battery Monitoring available
- 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
- Anti Tamper Monitoring
- 3-year Manufacturer Guarantee
- Internet Payment by Credit/ Debit Card or via Pre-Paid RFID Card
- 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. (Optional)
- ☑ 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
- Internet Payment Method by Credit/ Debit Card or via Pre-Paid RFID Card
- Charging Status
- Start or Stop Charges
- Anti-Tamper Alarm notification
- Authorise other users
- Default Off-Peak Charging
- Randomised Delay

## 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.



### Average Charging Time

Car Model	Battery Size	Av. EVIE Charging Time	Av. Charging Cost
Nissan Leaf	40kWh	6hrs	£11.20
Audi Q4	85kWh	5hrs	£23.80

\*Based on 28p per kWh. Nissan Leaf 40kWh, 143 miles and Audi Q4 e-Tron 40 S Line 82kWh Auto

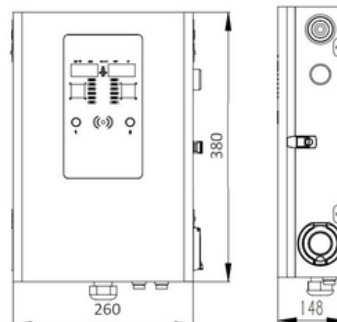


### Did you know?

22kW Three Phase Charge Points are over 50% faster than 7.2kW Single Phase Charge Points



## Dimensions



## Technical Information

### Performance

<b>Housing Case</b>	Stainless Steel
<b>Mounting Location</b>	Outdoor/ Indoor (Permanent)
<b>Charging Model</b>	Model 3 (IEC61851-1)
<b>Charging Interface Type</b>	IEC62196-2 Type 2 Socket
<b>Charging Current</b>	32A
<b>Local Internet Connection</b>	RJ45 Interface
<b>Display</b>	RGB Led indicator + LED Screen
<b>Operation</b>	App Monitoring + RFID Cards
<b>IP Grade</b>	IP55
<b>Operation Temperature</b>	-30°C ~ +55°C
<b>Operation Humidity</b>	5% ~ 95% without condensation
<b>Operation Attitude</b>	<2000m
<b>Cooling Method</b>	Natural air cooling
<b>Enclosure Dimensions</b>	380x260x150mm

### Gross Weight

10KG

### Input & Output

<b>Input Voltage</b>	380Vac±10%
<b>Input Frequency</b>	50Hz
<b>Output Power</b>	22kW
<b>Output Voltage</b>	380Vac
<b>Output Current</b>	32A
<b>Standby Power Consumption</b>	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	Optional
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	√
Auto Test	√
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	√
Total Power App Monitoring	√






RFID Pre-payment functionality	√
Internet payment by Credit Cards	√
Dynamic Load Balancing	√
Solar, Battery, Air Source Monitoring	Optional

## Mounting Accessories

Ground Mounting Pole (1500*230)	Optional
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# 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 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.**

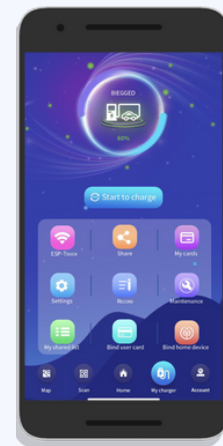
## Payment Feature - Steps

### Host

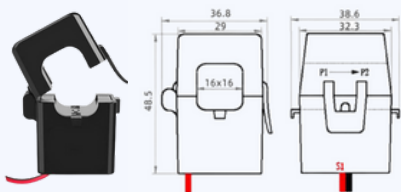
- Create a Stripe Account.
- Discuss requirements with EVIE.
- EVIE create platform.
- Add Payment Feature on Charge Point.

### Guest

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



## Wired CT Clamp for Solar or Battery Monitoring



### Main Features

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

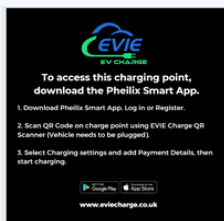
## Charge Point Vinyl Wrap



### 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





## 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

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

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

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

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

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

