



# EV Charging solutions and accessories

Product catalogue 2023



# Why choose BG SyncEV?

With over 80 years experience in the electrical industry, BG SyncEV (part of the Luceco PLC Group) inspires confidence and trust. Our range of EV charging products for home, commercial or fleet operator are smart, powerful and safe, packed full of technology to future proof your investment.

## Smart

We optimise EV charging for the cheapest, greenest energy possible. Track usage and costs all within our free & easy to use partner app

Powered by **MONTA**

## Safe

Built-in RCD and Open PEN protection. No need for complex and expensive earth-rod installations, and our safety RCD protection ensures peace of mind against electrical shocks or short circuits

## Reliable

Covered by a 3 year warranty as standard, telephone & online technical support, and guaranteed compatibility with all EV makes and models. Fully compliant with the latest Electric Vehicles (Smart Charge Points) Regulations

## Compatible with all electric and hybrid plug-in vehicles



## Charge-point app

Powered by **MONTA**

Included at no additional cost, Monta lets you tailor your EV Smart Charging needs. Have full control over your charge-point; deciding who can use it, when and at what cost



Set your charge-point to start charging when the energy is greenest or the cost is lowest - save money and CO<sub>2</sub>



Your charge-points will always be up and running. Our self-healing algorithm fixes bugs & errors automatically



Get access to more than 200,000 publicly available charge-points. Selected charge-points can be reserved through the app



Customize your charge-point settings to suit your needs; choose who can access your charge-point, when & at what cost.



Choose who can access your charger (such as members of your household or the general public), as well as the price and time restrictions for that access



The Monta customer success team is available 24/7 to answer all your questions through chat or email











## Wall Charger 2 EV Chargers

Packed with Smart technology, **Wall Charger 2** charging stations are the perfect solution for electric vehicle charging at home, workplace or for fleet operators.

**7 models available:** x2 Tethered, x3 Socketed 7.4kW Single Phase and x2 Socketed 22kW Three Phase

### Features:

-  Quick and easy installation –with UK based technical support
-  Full Smart functionality via the Monta App and OCPP 1.6J connectivity
-  Dynamic charging –up to 7.4 kW or 22kW (32A, model specific)
-  No earth rod required –integrated open PEN conductor protection
-  Safe –Integrated type A 30mA RCD with 6mA DC protection
-  Compatible with all electric and hybrid plug-in vehicles, and Fully compliant with the latest Electric Vehicles (Smart Charge Points) Regulations



## Wall Charger 2 range



- Wi-Fi & Ethernet as standard, with options for 4G and RFID
- Socketed or Tethered with Type 2 connection
- Single Phase 7.4kW and Three Phase 22kW models
- Interchangeable front fascia, change the shade or colour!
- Suitable for residential and commercial use
- Two base and rear entry points for ease of install
- Full smart functionality and OCPP 1.6J connectivity
- No earth rod required - integrated open PEN conductor protection
- Type A RCD (30mA AC + 6mA DC)
- Integrated Class C power meter, with option for external MID meter
- Compatible with EV Stands from BG SyncEV and EV Tower with BG SyncEV mounting plate

CODE :

DESCRIPTION :

### SINGLE PHASE 7.4kW SOCKETED

**EVWC2S7G** Wi-Fi + Ethernet (incl. CT clamp)

**EVWC2S7GG** Wi-Fi + Ethernet + 4G\* (incl. CT clamp)

**EVWC2S7GGR** Wi-Fi + Ethernet + 4G\* + RFID (incl. CT clamp)

### SINGLE PHASE 7.4kW TETHERED

**EVWC2T7G** Wi-Fi + Ethernet, 7.5m cable (incl. CT clamp)

**EVWC2T7GG** Wi-Fi + Ethernet + 4G\*, 7.5m cable (incl. CT clamp)

### THREE PHASE 22kW SOCKETED

**EVWC2S22GR** Wi-Fi + Ethernet + RFID

**EVWC2S22GGR** Wi-Fi + Ethernet + 4G\* + RFID

\*4G data period is for 3 years, see our website for more information

### Standards and Approvals

IEC61851-1, IEC61439-7  
IEC62955, IC 61851-21-2  
BS EN62196, EN 301 511  
EN 301 908-1/2/13, EN 301 489-3  
EN 300 330, EMC COMPLIANT  
CE, UKCA,  
THE ELECTRIC VEHICLES (SMART CHARGE POINTS) REGULATIONS 2021 INCLUDING SCHEDULE 1



## EV accessories

### Wall Charger 2 coloured front covers



change the colour to suit your style!

- Choose from a range of 8 colours
- Easy to fit DIY swap
- Universal fit for Socketed or Tethered Wall Charger 2 chargers

CODE :	COLOUR :
EVWC2TPTW	TRAFFIC WHITE
EVWC2TPSG	SIGNAL GREY
EVWC2TPSY	SANDSTONE YELLOW
EVWC2TPSR	SIGNAL RED
EVWC2TPJB	JET BLACK
EVWC2TPBG	BLUE GREY
EVWC2TPDB	DEEP BLUE
EVWC2TPRG	RACING GREEN

### EV stands and barrier

- EV Stands available as single or twin, suitable for Wall Charger 1 and 2
- 3mm Galvanised steel, finished in RAL 7016 Anthracite Grey
- 1210 (H) X 100 (W) X 50 (D)mm
- EV 'H' style crash barriers finished in 306 Stainless Steel
- 500 (H) x 498 (W)mm



Crash barrier  
CODE :  
EVACBHSS



Charger stands  
CODES :  
EVASTAND12S (Single Stand)  
EVASTAND12T (Twin Stand)

## EV Charging cables

Suitable for home or public use, offering options for Type 2 and 3 phase 22kW



- High specification H07BZ5-F3x6mm<sup>2</sup> + 1x0.5mm<sup>2</sup> cable
- Robust construction with end protectors
- Suitable for 16 & 32A sockets
- Weather-resistant IP65 when connected to vehicle. IP55 when not in use and end-caps applied

CODE :	TYPE :	LENGTH :
EVC22325SL	TYPE 2 –TYPE 2	5 METRE
EVC22328SL	TYPE 2 –TYPE 2	8 METRE
EVC223210SL	TYPE 2 –TYPE 2	10 METRE
EVC22325TL	TYPE 2 –TYPE 2 3 PHASE	5 METRE
EVC22328TL	TYPE 2 –TYPE 2 3 PHASE	8 METRE

## Portable EV chargers

Perfect for travelling to destinations that only offer a domestic (13A UK 3 pin) socket, suitable for all plug-in electric vehicles



- Provides safe and intelligent portable EV charging\*
- UK 3 pin plug to Type 2 EV plug
- Charges up-to 10A, 2.4kW (Mode 2) –up to 8 miles per charging hour
- IP65 rated (control box) - IP65 when connected to vehicle, IP55 when not in use and end-caps applied

CODE :	TYPE :	LENGTH :
EVCM22135	UK 3-PIN –TYPE 2	5 METRE
EVCM221310	UK 3-PIN –TYPE 2	10 METRE

\*Any portable charger used for regular charging should be connected via a dedicated circuit including a socket designed and marked "Suitable for EV charging"

## Charging cable carry case

- Suitable for use with Type 1 & Type 2 Mode 3 charge cables, and Mode 2 EV charger cables

CODE : EVCASE







## EV Charger circuit protection

Designed specifically for use with EV vehicle chargers to allow for internal and external wiring applications and are 18th Edition Amendment 2 compliant

- Quick and easy installation
- Type 2 SPD included
- IP rated protection



CODE : TYPE : COLOUR :

### EXTERNAL IP65

<b>CFEV1A</b>	40A TYPE A RCD - 40A B CURVE MCB - TYPE 2 SPD	Grey
<b>CFEV1AW</b>	40A TYPE A RCD - 40A B CURVE MCB - TYPE 2 SPD	White
<b>CFEV2</b>	100A MAIN SWITCH - 40A B CURVE MCB - TYPE 2 SPD	Grey
<b>CFEV2W</b>	100A MAIN SWITCH - 40A B CURVE MCB - TYPE 2 SPD	White
<b>CFEV1RDA</b>	40A TYPE A DOUBLE POLE RCBO - 100A MAIN SWITCH - TYPE 2 SPD	Grey
<b>CFEV1RDAW</b>	40A TYPE A DOUBLE POLE RCBO - 100A MAIN SWITCH - TYPE 2 SPD	White
<b>CFEV3AFA</b>	40A TYPE A RCBO/AFDD - TYPE 2 SPD	Grey
<b>CFEV3AFAW</b>	40A TYPE A RCBO/AFDD - TYPE 2 SPD	White

### INTERNAL IP20

<b>CFUEV1A</b>	40A TYPE A RCD - B CURVE MCB - TYPE 2 SPD	White
<b>CFUEV2</b>	100A MAIN SWITCH - 40A B CURVE MCB - TYPE 2 SPD	White
<b>CFUEV1RDA</b>	40A TYPE A DOUBLE POLE RCBO - 100A MAIN SWITCH - TYPE 2 SPD	White

### FOR BG FORTRESS CONSUMER UNITS

<b>CUMB40</b>	40A B CURVE MCB	N/A
<b>CUCRB40DPA</b>	40A COMPACT DOUBLE POLE RCBO - B CURVE TYPE A	N/A

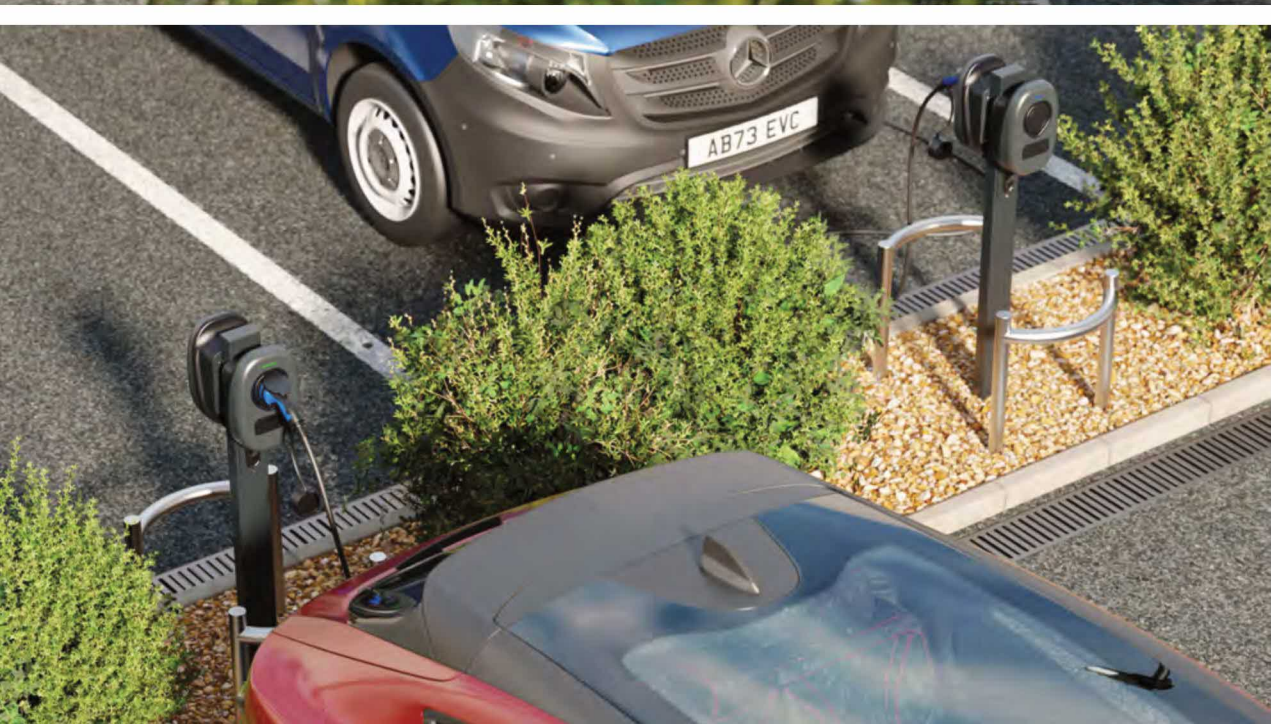
## Load management kit CT clamp

- Designed to be installed with EV+ 2 Core Cable
- Wall Charger 1 & 2 compatible

CODE : EVA120CT1







## Commercial charging

A BG SyncEV commercial subscription gives site owners access to a range of advanced Monta features to support more complex charging solutions.

24/7 support from Monta keeps the site running smoothly, while invoicing and payments are handled efficiently through the Monta platform.

BG SyncEV can set-up a commercial site with the site operator after installation, but for a more streamlined process please contact our commercial team prior to installation.

Visit the Commercial page of our website for more details or contact us at [commercialcharging@synccev.co.uk](mailto:commercialcharging@synccev.co.uk)

For more complex applications:



- Housing associations / developments
- Workplaces
- Depots
- Public charging

	Standard	Commercial
<b>USER FEATURES</b>		
Smart charging	●	●
Paid charging	●	●
Advanced team features	—	●
SmartQueue reservation	—	●
Team charge keys	—	●
Employee reimbursement (at-home charge points)	—	●
<b>MANAGEMENT FEATURES</b>		
Roaming	—	●
Load balancing	—	●
Dashboard	—	●
Pay with Monta Team Wallet	—	●
Pay by invoice	—	●
<b>SUPPORT</b>		
Site set-up support	—	●
Monta email & chat support	●	●
Monta 24/7 phone support	—	●
On-site warranty*	—	—
Maximum charge points	3	No limit
Monthly fee (per socket)	No fee	£5.00
Transaction fee	10%	5%

Powered by  
**MONTA**



**QR stickers :**  
pay without using the  
Monta app



**Operator dashboard :**  
manage users and charge-  
points in one place

All fees are subject to VAT. Features and pricing are subject to change.

## UK

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## TECHNICAL SUPPORT

Tel : 01952 983 940

Email : support@syncev.co.uk

Lines open Monday to Thursday 8.30am to 5pm,  
Friday 8.30am to 4pm with answer-phone service  
outside these hours

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Sign-up for the Installer Portal :  
[syncev.co.uk](http://syncev.co.uk) and click "Installer Portal"



[www.syncev.co.uk](http://www.syncev.co.uk) | [support@syncev.co.uk](mailto:support@syncev.co.uk) | 01952 983 940



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