

Mode 2 EV Charger



This BG SyncEV Mode 2 charger is intended for use with electric and hybrid vehicles. Please read and use in accordance with these safety instructions. Please retain instructions for reference, or scan the QR code.

SAFETY INSTRUCTIONS

- Always inspect before use, do not use if the Electric Vehicle Supply Equipment (EVSE) plug, or cable is damaged.
- Do not use with an extension lead or adaptor.
- Connect the charging cable to a correctly functioning and fixed socket outlet marked with 'BS1363/EV'.
- The user is responsible for any personal injury or vehicle or property damage arising from inappropriate use.
- Do not use subject the product to corrosive liquid, flammable dust, or in strong corrosive environments.
- Use and store within the service conditions stated in the Technical data.
- The storage or use shall not exceed the service condition stated as above. Misuse such as dropping, immersion may cause the risk or damage.
- Do not immerse the product in the water, protect the plug and cable from moisture.
- Do not use in a corrosive liquid, flammable dust, or strong corrosive environment.

OPERATING INSTRUCTIONS & INDICATOR STATUS

- Insert 3-pin plug into wall socket (and switch on) – Charger starts self test mode, LED will flash green & red alternatively x3 times. Approximately 5 seconds. After test Green indicator should appear 'Ready', if Red check fault guide.
- Connect to EV – the charger will then start communication with the car, indicator will flash Green fast.
- Charging – Green indicator slow pulse. Once charged indicator will flash Green fast.
- To end charging remove disconnect (turn off) from wall socket, and remove charger from EV.

Action	Indicator Status	Remark
Connect to wall socket	Green & Red alternate flash x3	Self-test procedure (approx. 5s)
Ready	Green On	
Connect to EV	Green fast flash	Communication test
Charging	Green pulse	
Fault	Red	See Fault Guide

TECHNICAL

- Voltage: 230V~
- Output : 2.3kW Max
- Frequency: 50Hz
- Power supply system: TN-S system
- Residual Operating Current: I_{Δn}: 30mA, 6mA DC
- Operating Temperature: -25~+45 deg C
- Relative humidity: MAX 75%/40℃
- IP Rating (Function box): IP65
- Altitude: up to 2000m
- Standards: BS EN 62752, BS EN 61851-1



FAULT GUIDE & TROUBLE SHOOTING

Fault	Indicator Status	Remark
PEN or Earth Fault	Red ON	Lack of earth connection at wall socket.
CP Error	Red flash x 2 > off 3 secs	Charging cable fault / CP voltage abnormal
Voltage Fault	Red flash x 3 > off 3 secs	Input voltage out of tolerance (184VAC to 260VAC)
OCP	Red flash x 4 > off 3 secs	Overload, current set too high. Check EV settings. Max 10A
Leakage	Red flash x 5 > off 3 secs	Earth fault. Turn off power and check for damage to the cable
OTP	Red flash x 6 > off 3 secs	Over temperature (>85°C) Turn off power for 30min and allow to cool.
SCP	Red flash x 7 > off 3 secs	Charging cable fault
D Fault	Red flash x 8 > off 3 secs	Charging cable fault
Welding	Red flash x 9 > off 3 secs	Charging cable fault
Measurement Fault	Red flash x 10 > off 3 secs	Failed EV communication. Repeat connection procedure

To reset and clear the fault follow the instructions,

- Unplug charging cable from the vehicle.
- Unplug (or turn off) charging cable from the wall socket.
- Keep unplugged for 30 seconds.
- Repeat connection process.

If the faults are not reset, the charging cable may be fault. Please contact the retailer,
or BG SyncEV via our helpdesk support team –
email : support@syncev.co.uk, or our website www.syncev.co.uk

CARE

SyncEV recommend the use of a soft dry or slightly damp cloth periodically to clean the cable and charger body.
Do not use cleaning agents.

BATCH CODE EXPLANATION

yyWxx Manufacturing date code, year of manufacture (yy) and week of manufacture (Wxx)

ENVIRONMENTAL PROTECTION



This symbol is known as the “Crossed-out Wheelie Bin Symbol”. When this symbol is marked on a product or battery, it means that it should not be disposed of with your general household waste. Some chemicals contained within electrical/electronic products or batteries can be harmful to health and the environment. Only dispose of electrical/electronic/battery items in separate collection schemes, which cater for the recovery and recycling of materials contained within.

Your co-operation is vital to ensure the success of these schemes and for the protection of the environment.

ADDRESS / HELPLINE

Luceco PLC	(EU) Luceco SE
Stafford Park 1	C/ Bobinadora 1-5
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ENGLAND	SPAIN

If you have further technical assistance you can get in touch with our Technical Helpline on:
+44 (0)3300 249 279 / support@syncev.co.uk

www.syncev.co.uk