

# waEV charge

## EV<sub>1</sub>



Powered by:



The next generation of EV Chargers



# EV<sub>1</sub>

## Our Quality.

Our waEV-charge EV1 charger has been built from the ground up with quality, safety & future EV technology at its core focus. Our charger is both TUV CE & UKCA quality certified, OZEV (EVHS & WCS) approved and features PEN protection with no requirement for an earth rod, allowing for a quick and easy install.

## Our Installation.

Our waEV-charge EV1 charger has been designed for a quick & easy install and can be carried out by any qualified electrician when accompanied with our installer guide & phone support. If you purchase our installation service, we aim to have your charger installed in as little as 5 days (standard install < 2 weeks).

## Our Technology.

waEV-charge EV chargers are designed with the future in mind and are suitable for both commercial & domestic installs. All components can be easily upgraded with future EV technology and with minimal further investment. The ev.energy smart app includes features such as scheduled charging & energy/cost monitoring.

## Our Aftercare.

Our waEV-charge EV1 charger comes with a 3-year warranty from the day the unit is first used for charging. On new build sites, this is transferred to the home owner once the sale has completed and all warranty and aftercare information is detailed in our welcome pack should they encounter any technical issues.





# FEATURES

- ⚡ UK Based
- ⚡ OZEZ Approved
- ⚡ 3 Year Warranty
- ⚡ Powered by ev.energy
- ⚡ No earth rod required
- ⚡ Integrated RCD Protection
- ⚡ Integrated RFID Reader
- ⚡ Integrated Cable Holster
- ⚡ Compliant with EVSCP Regulations
- ⚡ No Earth Rod Required
- ⚡ Quick & Easy Install & Setup
- ⚡ Suitable for Domestic & Commercial



Solar Integration



Scheduled Charging



Energy Tariff Integration



Wifi, Bluetooth & LAN



Energy Measurement (+/-1%)



Over The Air Firmware Updates



Smart Charger Lock



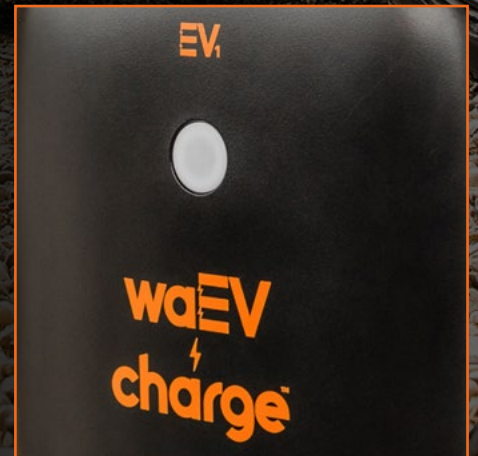
Available in 7kW Single Phase & 22kW Three Phase



ev.energy Smart App Integration



Cost-effective for both House Builders & Homeowners



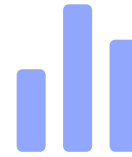




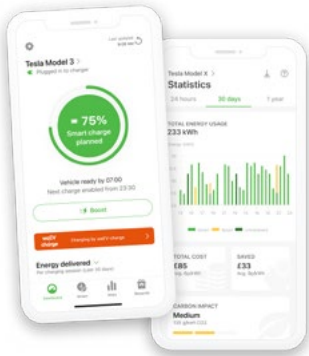
Set your ready by time; we'll communicate with your car and take care of the rest.



Keep track of the cost, energy and carbon of your charging sessions, at home and away.

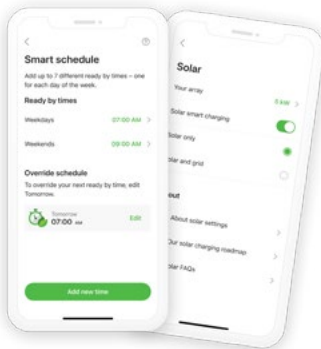


Save money and CO2 by automatically charging when greener, cheaper energy is more readily available.



Save money and lower your carbon impact when charging at home:

We'll manage your charging and automatically charge your vehicle during your energy supplier's off-peak period. Rest easy! Our platform communicates with your EV battery to make sure your car is ready to go when you need it. Want your car to charge right away? Override our smart charging schedule at any time by simply tapping the Boost button.



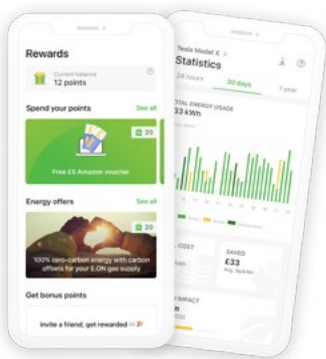
Charge your EV with 100% solar energy:

waEV x ev.energy SOLAR brings a bespoke range of solar charging features to deliver cheaper, greener and 100% renewable energy to your EV. We use a combination of hardware integrations and local solar forecasts to automatically schedule your EV charging.

**No hardware required option** - Just tell us the size of your array and plug into self-generated solar power.

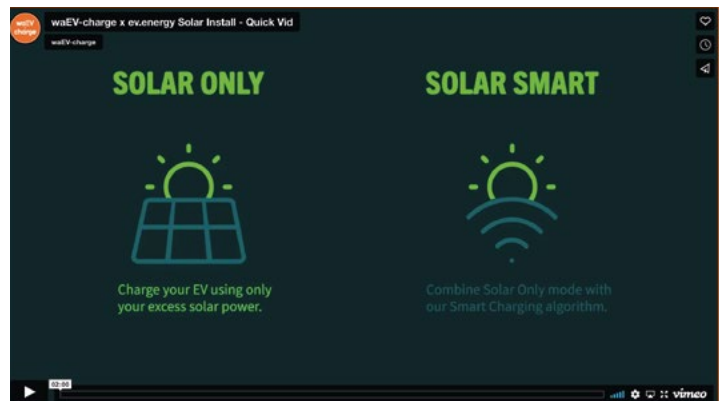
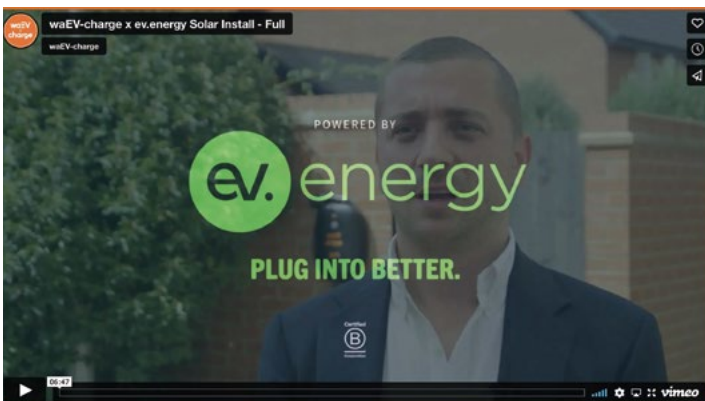
**The lowest cost** - Charge with free solar instead of grid power to reduce your energy bill.

**Accurate solar usage** - See your exact solar vs grid usage in your session summaries. We are happy to offer a **£50 savings guarantee** to all ev.energy SOLAR customers.



Get rewarded for charging:

Our app provides visibility on the cost, energy and carbon impact of your charging sessions, at home and on-the-go. Use our app to complete smart charges of at least 10kWh each, earn reward points and use them to redeem rewards. Rewards include 100% Zero-Carbon Charging with Carbon Credits Free Home & Rapid Charging\*, Amazon and Starbucks Gift Cards.





# SPECIFICATIONS

Technical Data	
Model	waEV-charge EV1
Power Options	Single Phase 7kW AC & Three Phase 22kW AC
Charging Connector	Tethered, IEC 62196/Type 2 (standard) OR SAE J1772/Type 1W
Tethered cable length	5 Meters
Charging Protocol	Mode 3 (EN/IEC 61851)
Protection	<p><b>PEN Fault Protection:</b> Built-in open PEN protection (detection + isolation) in compliance with Amendment No 1 of BS 7671:2018". The waEV-charge EV1 can safely be installed without an earth-rod.</p> <p><b>RCD Protection:</b> Integrated 6mA DC RCD, Type A RCD/MCB or RCBO required at source</p>
Electrical Specifications	<p><b>AC Charging Output:</b> 7kW, 32A@230V AC / 22kW, 32A@230V- 400V AC (Charging power may vary based on vehicle make and model)</p> <p><b>Input Voltage:</b> 230-400 ± 10% V AC  <b>Input Frequency</b> 50/60 Hz  <b>Input Current: (max) 32 A</b>  <b>Energy Monitoring:</b> Power and energy monitoring as standard via ev.energy smart app  <b>Overcurrent Protection:</b> Internal overcurrent protection</p>
Physical Specifications	<p><b>Dimensions (H x W x D):</b> 361mm x 250mm x 100mm  <b>Mounting Type:</b> Wall mounted - Bracket &amp; Mounting Bolts Included  <b>Colour:</b> Black  <b>Weight:</b> 7kW EV1 – 4.4kg / 22kW EV1 – 5.7kg  <b>Material:</b> ABS composite</p>
Physical Specifications	<p><b>Operating Temperature:</b> -30 to 50° C  <b>Operating Humidity:</b> Up to 95% RH, non-condensing  <b>Environmental Protection:</b> IP65</p>
Standards and Compliance	<p><b>Certifications:</b> TUV CE &amp; UKCA  <b>Safety Compliance:</b> UVP, OVP, RCD (DC 6mA), SPD, Ground Fault Protection OCP, OTP, Control Pilot Fault Protection  <b>EV Charging Compliance:</b> EN 61851-1:2019, EN 61851-21:2002, EN 61851-22:2002</p>
Communication	<p><b>Status indication:</b> Blue, Green, Red LED faceplate indicator  <b>Comms Standard:</b> Wi-Fi 802.11b/g/n @2.4 GHz, Bluetooth  <b>Communication Protocol:</b> OCPP 1.6/2.0  <b>Network Security:</b> WLAN with 256-Bit Encryption</p>



# SPECIFICATIONS

## Products

MPN	Manufacturer Description	Barcode EAN	Gross Weight (kg)
WAEVEV17LAN	waEV-charge EV Smart Charger - 7.4kW - 5m Tethered Cable - LAN - Powered by ev.energy	5070000255446	5.3kg
WAEVEV17LANS	waEV-charge EV Smart Charger - 7.4kW - 5m Tethered Cable - LAN - Solar CT - Powered by ev.energy	5070000255453	5.3kg
WAEVEV17WIFI	waEV-charge EV Smart Charger - 7.4kW - 5m Tethered Cable - WIFI - Powered by ev.energy	5070000255460	5.3kg
WAEVEV17WIFIS	waEV-charge EV Smart Charger - 7.4kW - 5m Tethered Cable - WIFI - Solar CT - Powered by ev.energy	5070000255477	5.3kg
WAEVEV122LAN	waEV-charge EV Smart Charger - 22kW - 5m Tethered Cable - LAN - Powered by ev.energy	5070000255484	6.6kg
WAEVEV122WIFI	waEV-charge EV Smart Charger - 22kW - 5m Tethered Cable - WIFI - Powered by ev.energy	5070000255491	6.6kg

### Benefits:

- ⚡ Powered by ev.energy - scheduled charging, green tariff integration & energy monitoring/analytics
- ⚡ ev.energy solar charging integration
- ⚡ EVHS & WCS, OZEV approved (eligible for £350 grand funding, saving purchase & install costs)
- ⚡ Compliant with the most recent EVSCP regulations
- ⚡ Integrated tethered charging cable holster
- ⚡ OCPP 1.6J (Future proofed for managed & commercial charging)
- ⚡ Integrated 6mA DC RCD, Type A RCD/MCB or RCBO required at source
- ⚡ OZEV Grant Eligible

### Product Type:

EV Charger

### Install Environment:

Domestic & Commercial

### Material:

High impact resistant Polycarbonate

### Finish:

Satin Colour: Black

### Mounting Method:

Wall or Pedestal Mounted





# OUR WAEV-CHARGE EV1 CHARGER IS COMPATIBLE WITH ALL PLUG-IN ELECTRIC VEHICLES



CITROËN



DS AUTOMOBILES



PEUGEOT

PORSCHE

Polestar



SEAT



smart

TESLA



VAUXHALL







[www.waevcharge.co.uk](http://www.waevcharge.co.uk)  
E: [sales@waevcharge.co.uk](mailto:sales@waevcharge.co.uk)  
T: 0330 043 1353

