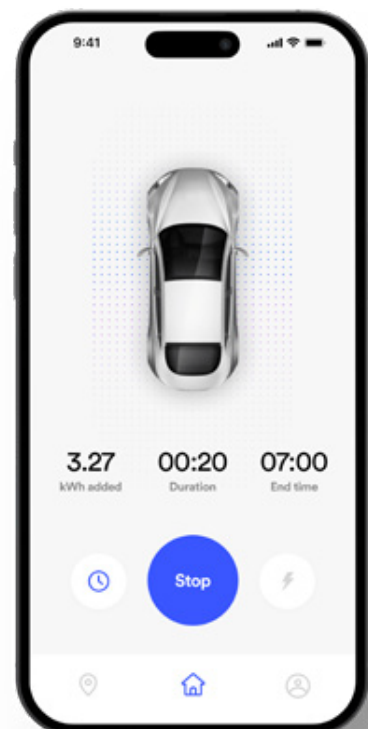


Data sheet

Solar Electric Vehicle charger



- ▲ Drive on sunshine
Charge your car with power from your solar panels
- ▲ Perfect for domestic applications
Can be indoor or outdoor wall mounted
- ▲ Compact and powerful
7kW in the footprint of an A5 sheet.
- ▲ Simple installation
No need for earth rods with built-in open PEN conductor protection
- ▲ Peace of mind
3 Year warranty
- ▲ EO App
Control from the palm of your hand. Charge scheduling, usage monitoring and solar power matching



Specification

Mechanical	
Dimensions (H x W x D)	215 x 140 x 100mm
Weight	<2kg
Mounting Location	Indoor or outdoor wall mounted. Post mounted with optional backplate.
Ambient Temperature	-30°C to +55°C
Internal Electronics Temperature	-25°C to +70°C
Operating Humidity	5% to 95% relative humidity
Enclosure	PC UV stabilized (UL94 V-0 fire rated)
Protection	IP54
Impact Rating	IK08
Colour	Black (RAL9005)

Electrical	
Rated Power	Up to 7.2kW
Charging Current	6 to 32A (variable)
Rated Current	Up to 32A (max)
Nominal Supply	230VAC 50Hz
Supply Connections	TN: L1, N, PE 0.2 - 16mm IT: L1, N
Over Current Connection	40A supply
Earth Leakage Protection	A dedicated 30mA Type A RCD must be used on the supply circuit. Integral 6mA DC leakage detection – no Type B RCD required. Integral PEN protection – no earth rod or RCBO/consumer unit required.
Standby Power	<3W
Status Indication	3 colour LED (green, blue, red)
Charging Mode	Mode 3 (IEC 61851-1 compliant comms protocol)
Solar Charging	Solar power matching functionality with current clamp included as standard
Intelligence	OCPP 1.6J compliant ISO15118 ready for vehicle-to-grid (V2G)*
Socket	IEC 62196 Type 2, IP54 hinged lid, locking pin
Supply Cable Entry	Ø25mm modifiable cable entry (Ø10mm - Ø22mm PVC stepped grommet included)

Communications

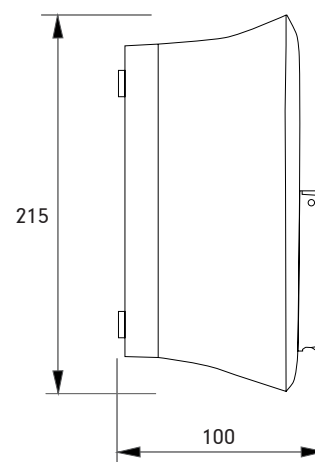
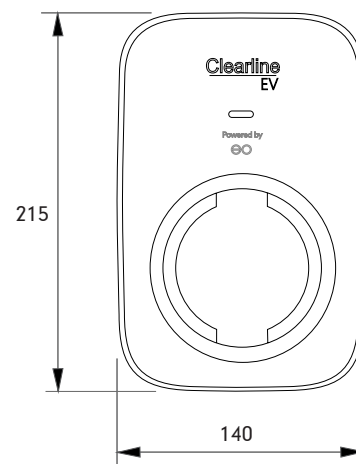
U.FI external antennae ports for Wi-Fi

Compliance

OZEV EVHS & WCS grants approved
 UK Smart Charging Regulations compliant
 BSI Kitemark (pending)
 CE + UKCA Marked, EMC Directive 2014/30/EU, Radio Equipment Directive, IEC 61851-1, IEC 61851-22, IEC 62196-2 EN 301-489 RFID - ISO/IEC 14443 (MIFARE)
 ETSI EN 303 645 cybersecurity

Designed to permit installations compliant with IET Wiring Regulations BS 7671:2018+A1:2020 and the Electricity Safety, Quality, and Continuity Regulations 2002 and BS 8300:2009+A1:2010. In no event will we accept any liability for any loss, costs or damage consequential on the use and/or misuse of our hardware or software products except and only to the extent that this is caused by our negligence.

* Feature available with version 2, coming soon.



Tell me more

Call 01283 722588

Email info@marley.co.uk

Or visit marley.co.uk/solar

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