








# Wall Charger 2 Socketed Datasheet

The perfect complement for electric vehicle charging at home, workplace or for fleet service operators

Powered by

**MONTA.**



-  Solar charging
-  5 models available
-  Quick and easy installation, with UK based technical support
-  3 year warranty & fully compliant with UK EV regulations
-  Compatible with all electric and hybrid plug-in vehicles

- Solar Charging - multiple charging modes for grid charging and excess solar charging
- Models with Wi-Fi/LAN, Wi-Fi/LAN/4G, Wi-Fi/LAN/4G+RFID and Wi-Fi/LAN+RFID
- Fully compliant with The Electric Vehicles (Smart Charge Points) Regulations 2021, including Schedule 1
- Full Smart! functionality via the Monta app
- Dynamic charging - up to 7.4 or 22kW (32A)
- No earth rod required - integrated open PEN conductor protection
- Safe - integrated Type A RCD
- OCPP 1.6j connectivity - free lifetime over-the-air updates
- Type 2 socket with auto-lock
- Tethered version also available



View the full range at [syncev.co.uk](https://syncev.co.uk)

## SOCKETED RANGE FEATURES

<b>CODES :</b>	<b>SINGLE PHASE :</b> <b>EVWC2S7G</b> (7.4KW / WI-FI / LAN) <b>EVWC2S7GG</b> (7.4KW / WI-FI / LAN / 4G) <b>EVWC2S7GGR</b> (7.4KW / WI-FI / LAN / 4G / RFID)  <b>THREE PHASE :</b> <b>EVWC2S22GR</b> (22KW / WI-FI / LAN / RFID) <b>EVWC2S22GGR</b> (22KW / WI-FI / LAN / 4G / RFID)
<b>TYPE :</b>	SOCKETED
<b>SOCKET / PLUG :</b>	TYPE 2 SOCKET WITH AUTO LOCK
<b>KW :</b>	SINGLE PHASE : 7.4KW 32A MODE 3 THREE PHASE : 22KW 32A MODE 3
<b>MIN CHARGE CURRENT :</b>	CONFIGURABLE, 6 - 32A
<b>ELECTRICAL INPUT :</b>	SINGLE PHASE : 220-240V, 50-60Hz THREE PHASE : 400-415V, 50-60Hz
<b>COLOUR :</b>	BASE & BODY RAL 9005 (BLACK) TRIM - RAL 7016 (ANTHRACITE GREY) OPTIONAL COLOURED TRIMS AVAILABLE AS ACCESSORIES
<b>CABLE MANAGEMENT :</b>	BUILT IN CABLE WRAP
<b>PEN PROTECTION :</b>	YES, IN-BUILT EARTH DISCONNECTION
<b>EARTH ROD :</b>	NOT REQUIRED
<b>RCD PROTECTION :</b>	YES, 6mA DC, 30mA AC TYPE-A, IN-BUILT
<b>OVERLOAD AND FAULT PROTECTION :</b>	OVER CURRENT AND FAULT PROTECTION
<b>ELECTRICAL CLASS :</b>	CLASS 1, HOUSING CLASS 2
<b>LOAD BALANCING :</b>	SINGLE PHASE : 7.4KW 32A MODE 3 3 VARIANTS SUPPLIED WITH LOAD MANAGEMENT KIT  THREE PHASE : 22KW 32A MODE 3 VARIANTS REQUIRE 3x EVA120CT1 LOAD MANAGEMENT KITS
<b>METER ACCURACY :</b>	2% CLASS C EQUIVALENT INTERNAL METER WITH OPTION FOR CONNECTION TO EXTERNAL RS485 MODBUS METER
<b>CONSUMER UNIT REQUIREMENTS :</b>	40A MCB OR 30mA TYPE-A RCD (DEPENDENT ON CABLE TYPE &/OR ROUTE)
<b>TERMINALS :</b>	COMBI SCREW FIRST FIX PLUG CONNECTOR
<b>INDICATOR :</b>	RGB LED AND BUZZER
<b>INDICATOR MODES :</b>	BLUE - STANDBY, FLASHING BLUE - PREPARING, GREEN - CHARGING, YELLOW - NO NETWORK, RED - ERROR
<b>HOUSING :</b>	UV STABILISED POLYCARBONATE
<b>WALL FIXING :</b>	4 POINT WITH HORIZONTAL AND VERTICAL ADJUSTMENT, SUPPLIED FIXING HOLE TEMPLATE. FIXING HOLE CENTRES : 110 HORIZONTAL, 145 VERTICAL (MM)
<b>IP / IK RATING :</b>	IP55 / IK10

<b>SOC MODULE :</b>	AI ESP32-S SOC
<b>WI-FI &amp; ETHERNET :</b>	2.4Ghz 802.11 B/G/N & RJ45
<b>WI-FI SECURITY :</b>	WPA/WPA2/WPA2-ENTERPRISE/WPS
<b>BLUETOOTH :</b>	4.2 BR/EDR and BLE
<b>CONNECTION PROTOCOL :</b>	OCPP 1.6j
<b>4G DATA :</b>	<b>MODEL SPECIFIC</b> 3 YEARS INCLUDED, WHEN USED WITH MONTA (ON THE INCLUDED PACKAGE). TOP-UP ONLINE TO CONTINUE SERVICE AFTER 3 YEARS
<b>APP :</b>	POWERED BY MONTA
<b>OPERATING TEMP :</b>	-25 TO +40°C
<b>SOFTWARE &amp; FIRMWARE UPDATE :</b>	OVER-THE-AIR
<b>WARRANTY :</b>	3 YEARS
<b>STANDARDS &amp; APPROVALS :</b>	IEC61851-1, IEC61439-7, IEC 62955, IC 61851-21-2, BS EN62196, EN301 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
<b>SUPPLIED ACCESSORIES :</b>	5x BASE FIXING WASHERS, 5x ASSEMBLY LID BOLTS, 1x BLANKING PLUG AND 1x 25MM COMPRESSION GLAND, USER-SIDE CONNECTOR, CORD GRIP AND 2x CORD GRIP ASSEMBLY SCREWS 1x RFID KEY FOB ( <b>EVWC2S7GGR, EVWC2S22GR &amp; EVWC2S22GGR ONLY</b> ) (ADDITIONAL KEY FOBs CAN BE ORDERED USING THE CODE EVXRFIDFOB-01)
<b>DIMENSIONS (MM) :</b>	305 (H) x 201 (W) x 115 (D)
<b>ADDITIONAL :</b>	ANTI TAMPER DETECTION - 2 LAYER PROTECTION, BLUETOOTH TO BLUETOOTH COMMISSIONING

