



# Wall Charger 2 Socketed Datasheet

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

Powered by  
**MONTA.**



-  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

- 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

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| <b>CODES :</b>                         | <b>SINGLE PHASE :</b><br><b>EVWC2S7G</b><br>(7.4KW / WI-FI / LAN)<br><b>EVWC2S7GG</b><br>(7.4KW / WI-FI / LAN / 4G)<br><b>EVWC2S7GGR</b><br>(7.4KW / WI-FI / LAN / 4G / RFID)<br><br><b>THREE PHASE :</b><br><b>EVWC2S22GR</b><br>(22KW / WI-FI / LAN / RFID)<br><b>EVWC2S22GGR</b><br>(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<br>THREE PHASE : 22KW 32A MODE 3  |
| <b>MIN CHARGE CURRENT :</b>            | CONFIGURABLE, 6 - 32A   |
| <b>ELECTRICAL INPUT :</b>              | SINGLE PHASE : 220-240V, 50-60Hz<br>THREE PHASE : 400-415V, 50-60Hz   |
| <b>COLOUR :</b>                        | BASE & BODY RAL 9005 (BLACK)<br>TRIM - RAL 7016 (ANTHRACITE GREY)<br>OPTIONAL COLOURED TRIMS<br>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<br>3 VARIANTS SUPPLIED WITH LOAD MANAGEMENT KIT<br><br>THREE PHASE : 22KW 32A MODE 3<br>VARIANTS REQUIRE 3x EVA120CT1<br>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<br>(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 :<br>110 HORIZONTAL, 145 VERTICAL (MM)  |
| <b>IP / IK RATING :</b>                | IP55 / IK10   |

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| <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><br>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,<br>5x ASSEMBLY LID BOLTS, 1x BLANKING PLUG AND 1x 25MM COMPRESSION GLAND, USER-SIDE CONNECTOR, CORD GRIP AND 2x CORD GRIP ASSEMBLY SCREWS<br>1x RFID KEY FOB ( <b>EVWC2S7GGR, EVWC2S22GR &amp; EVWC2S22GGR ONLY</b> )<br>(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   |

