



# Wall Charger 2 Tethered Datasheet

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



**SOLAR  
CHARGING**



**2 TETHERED  
MODELS**



**TYPE 2**



**EASY  
INSTALLATION**

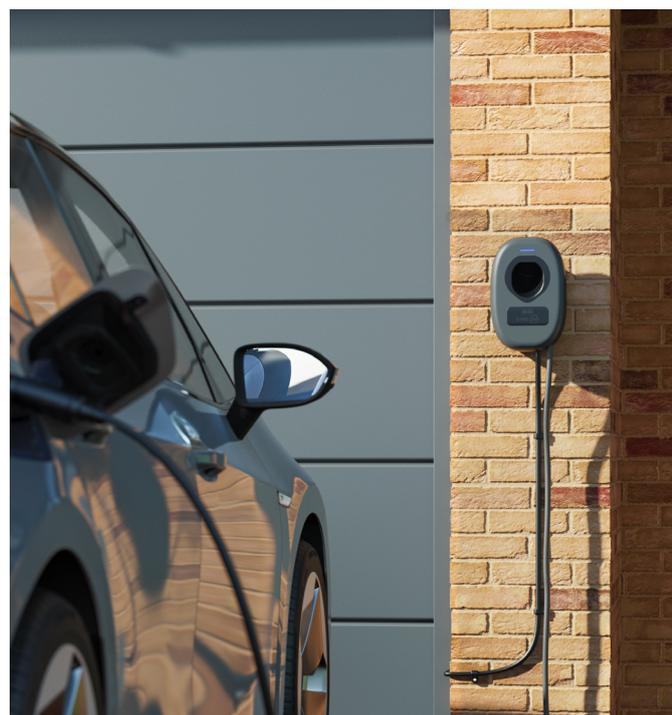


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& MONETISE**



**3  
YEAR  
WARRANTY**

- Integrated SolarCharge \*new\* - integrated SolarCharge enables you to charge from your solar panels, leveraging your surplus green energy whilst also reducing charge costs
- Models with Wi-Fi/LAN, Wi-Fi/LAN/4G,
- Fully compliant with The Electric Vehicles (Smart Charge Points) Regulations 2021, including Schedule 1
- Full Smart functionality via Smart App and OCPP 1.6j connectivity
- Dynamic charging - up to 7.4kW (32A)
- No earth rod required - integrated open PEN conductor protection
- Safe - integrated 30mA Type A RCD with 6mA DC
- OCPP 1.6j connectivity - free lifetime over-the-air updates
- 7.5m of cable and Type 2 connector
- Socketed 7.4 & 22kW versions also available



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

## TETHERED RANGE FEATURES

<b>CODES :</b>	<b>EVWC2T7G</b> (7.4KW / WI-FI / LAN) <b>EVWC2T7GG</b> (7.4KW / WI-FI / LAN / 4G)
<b>TYPE :</b>	TETHERED
<b>PLUG / CABLE:</b>	TYPE 2 PLUG, 7.5 METRE, BLACK
<b>KW :</b>	7.4KW 32A MODE 3
<b>MIN CHARGE CURRENT :</b>	CONFIGURABLE, 6 - 32A
<b>ELECTRICAL INPUT :</b>	220-240V, 50-60Hz, SINGLE PHASE
<b>COLOUR :</b>	BASE & TRIM - RAL 9005 (BLACK) BODY - RAL 7016 (ANTHRACITE GREY) OPTIONAL COLOURED TRIMS AVAILABLE AS ACCESSORIES
<b>CABLE MANAGEMENT :</b>	BUILT IN CABLE WRAP & GUN HOLSTER
<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>	SUPPLIED WITH LOAD MANAGEMENT KIT
<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 PURPLE - BALANCER 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
<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
<b>ACCESSORIES :</b>	SINGLE CHARGER STAND (EVASTAND12S) TWIN CHARGER STAND (EVASTAND12T) LOAD MANAGEMENT KIT (EVA12OCT1) CHARGING CABLES COLOURED TRIMS (VARIOUS OPTIONS, SEE SYNCEV.CO.UK)

