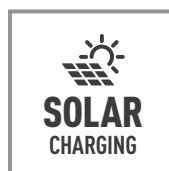




Wall Charger 2 Socketed Datasheet

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



**SOLAR
CHARGING**



**5 SOCKETED
MODELS**



TYPE 2



**EASY
INSTALLATION**



**SHARE
& 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, 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 Smart App and OCPP 1.6j connectivity
- Dynamic charging - up to 7.4 or 22kW (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
- Type 2 socket with auto-lock
- Tethered version also available



View the full range at syncev.co.uk

SOCKETED RANGE FEATURES

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

IP / IK RATING :	IP55 / IK10
SOC MODULE :	AI ESP32-S SOC
WI-FI & ETHERNET :	2.4Ghz 802.11 B/G/N & RJ45
WI-FI SECURITY :	WPA/WPA2/WPA2-ENTERPRISE/WPS
BLUETOOTH :	4.2 BR/EDR and BLE
CONNECTION PROTOCOL :	OCPP 1.6j
4G DATA :	MODEL SPECIFIC 3 YEARS INCLUDED, WHEN USED WITH MONTA (ON THE INCLUDED PACKAGE). TOP-UP ONLINE TO CONTINUE SERVICE AFTER 3 YEARS
APP :	POWERED BY MONTA
OPERATING TEMP :	-25 TO +40°C
SOFTWARE & FIRMWARE UPDATE :	OVER-THE-AIR
WARRANTY :	3 YEARS
STANDARDS & APPROVALS :	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
SUPPLIED ACCESSORIES :	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 (EVWC2S7GGR, EVWC2S22GR & EVWC2S22GGR ONLY) (ADDITIONAL KEY FOBs CAN BE ORDERED USING THE CODE EVXRFDFOB-01)
DIMENSIONS (MM) :	305 (H) x 201 (W) x 115 (D)
ADDITIONAL :	ANTI TAMPER DETECTION - 2 LAYER PROTECTION, BLUETOOTH TO BLUETOOTH COMMISSIONING

