BG SYNC EV

Wall Charger 2
22kW Socketed

Fast electric vehicle charging at home*, workplace or for fleet service operators

Powered by
MONTA

- Two 22kW 3-phase models available

- Quick and easy installation, with UK based technical support

- 3 year warranty & <u>fully compliant</u> with UK EV regulations

- Compatible with all electric and hybrid plug-in vehicles

- Models with Wi-Fi/LAN/RFID and Wi-Fi/LAN/4G/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 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

View the range at **syncev**.co.uk

22KW SOCKETED RANGE FEATURES

CODES :	**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 :	UP TO 22KW AC 32A MODE 3
MIN CHARGE CURRENT :	CONFIGURABLE, 6 - 32A
ELECTRICAL INPUT :	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 :	REQUIRES 3x EVA120CT1 LOAD MANAGEMENT KITS (NOT SUPPLIED. ORDER SEPARATELY)
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
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 :	**EVWC2S22GGR ONLY** 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℃†
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
DIMENSIONS (MM) :	305 (H) x 201 (W) x 115 (D)
ADDITIONAL :	ANTI TAMPER DETECTION - 2 LAYER PROTECTION, BLUETOOTH TO BLUETOOTH COMMISSIONING
ACCESSORIES :	SINGLE CHARGER STAND (EVASTAND12S) TWIN CHARGER STAND (EVASTAND12T) LOAD MANAGEMENT KIT (EVA120CT1) CHARGING CABLES COLOURED FASCIAS (VARIOUS OPTIONS, SEE SYNCEV.CO.UK)

305 mm

115 mm   201 mm

* Requires a 3-phase electrical supply. 22kW AC charging rates are vehicle dependent, check with manufacturer

† Output may reduce in extreme temperatures to protect the charger and connected vehicle

Information correct as of 06/2023