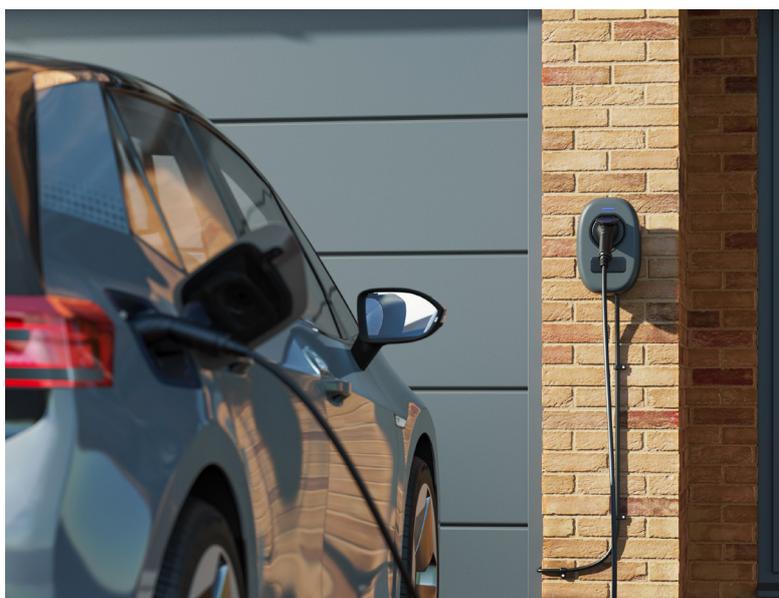# BG   SYNC EV

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°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

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)

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

305 mm

115 mm   201 mm