

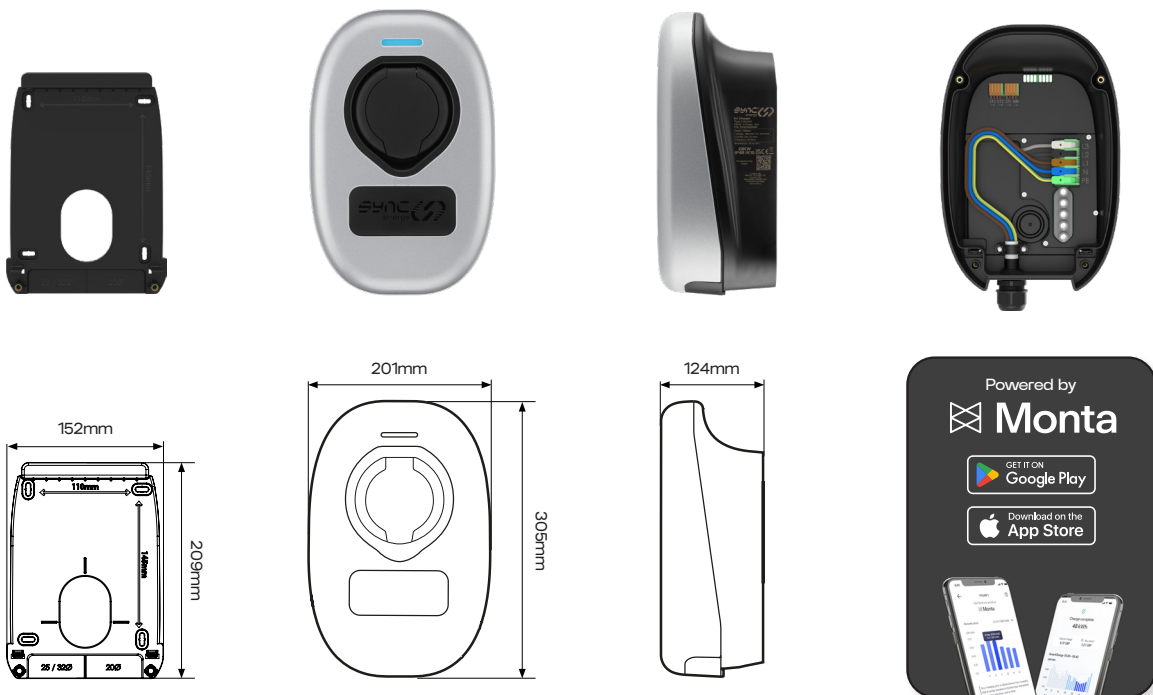
EV CHARGER

Commercial

- Integrated Solar Charging allowing you to utilise excess solar power to charge your EV, maximising the benefits of clean, renewable energy while reducing your energy bills
- Available in single or three phase charging, each supplied with a high impact aluminium cover ideal for high use areas
- Available with Wi-Fi, Lan, 4G and RFID
- Fully compliant with The Electric Vehicles (Smart Charge Points) Regulations 2021, including Schedule 1
- Full Smart functionality via Monta App and OCPP 1.6J connectivity
- Dynamic charging - up to 22kW (32A)
- No earth rod required - Integrated Open Pen Detection Device (OPDD) - IET01:2024
- Integrated RDC-PD with 30ma AC type A and 6mA DC detection. Compliant for BS EN62955 and BS EN 61008
- OCPP 1.6J connectivity - free lifetime over-the-air updates
- Type 2 socket with auto-lock
- Compatible with Balancer for multi-charger site load management



PART NO.	DESCRIPTION	SOCKET TYPE	MAX OUTPUT (kw)	MAX OUTPUT (A)	INPUT VOLTAGE
EVWC2S7GGR-03	Single Phase 7.4kW / Wi-Fi / LAN / 4G / RFID	Type 2 with Autolock	7.4kW MODE 3	32A	220-240V
EVWC2S22GGR-03	Three Phase 22kW / Wi-Fi / LAN / 4G / RFID	Type 2 with Autolock	22kW MODE 3	32A	380-415V



ELECTRICAL SPECIFICATIONS

MAXIMUM CHARGE CURRENT	Configurable, 6-32A	LOAD BALANCING	Compatible with Dynamic Load Balancer or 3 x CT Clamps (Purchased Separately)
INPUT FREQUENCY	50-60hz	OVERLOAD AND FAULT PROTECTION	Over current and over voltage protection
PEN FAULT	Yes, Integrated OPDD Earth Disconnection compliant for IET01:2024 and BS7671 AMD 2	METER ACCURACY	2% Class C equivalent internal meter with option for connection to external RS485 MDBUS Meter
RCD PROTECTION	Integrated RCD-PD with 30ma AC type A and 6mA DC detection. Compliant for BS EN62955 and BS EN 61008.	TERMINALS	Colour coded Leaver terminals - 4-16mm ²
ELECTRICAL CLASS	Class 1 electronics with insulated Class 2 (II) housing	INDICATOR	RGB LED and Buzzer
CONSUMER UNIT REQUIREMENTS	40A MCB OR 30mA Type A RCBO (Dependent on cable type &/OR Route)	INDICATOR MODES	BLUE – Standby, FLASHING BLUE – Preparing, FLASHING GREEN – Finishing, SCROLLING GREEN – Charging, YELLOW – No Network, RED – Error, PURPLE – Balancer Error
ANTI-TAMPER DETECTION	2 Layer Protection, Bluetooth to Bluetooth commissioning		

OPERATING CONDITIONS & CONSTRUCTION

OPERATING	-25 to +55°C	HOUSING	UV Stabilised Polycarbonate
IP RATING	IP65	COLOUR	Base and Body RAL 9005 (Black) Trim (Metallic Silver) Optional Coloured Trims available as accessories
IK RATING	IK10	DIMENSIONS	305 (H) x 201 (W) x 124 (D)
MOUNTING	First fix bracket, 4 point with horizontal and vertical adjustments. 110mm H x 145mm W fixing centres		

CONNECTIVITY & ACCESSORIES

SOC MODULE	AI ESP32-S SOC	SOFTWARE & FIRMWARE UPDATE	Over-the-air
WI-FI & ETHERNET	2.4Ghz 802.11 B/G/N & RJ45	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 Electrical Vehicles (Smart Charge Points) Regulations 2021 including schedule 1
WI-FI SECURITY	WPA/WPA2/WPA2-ENTERPRISE/WPS	SUPPLIED ACCESSORIES	2 x Assembly Lid Bolts, 1 x Blind Grommet, 1 x 25mm Compression Gland, Cord Grip and 3 x Cord Grip Assemble Screws, 2 x Trim Mount Screws, 1 x RFID Key Fob
BLUETOOTH	4.2 BR/EDR and BLE	ACCESSORIES	Single Charger Stand - (EVASTAND12S) Twin Charger Stand - (EVASTAND12T) Charging Cables - Various Coloured Trims - Shown below
CONNECTION PROTOCOL	OCPP 1.6J		
4G DATA	Model specific 4G Data 3 year included when used with Monta. Top-up online to continue service after 3 years.		
APP	Powered by Monta		



EVWC2TPAG
Anthracite Grey



EVWC2TPSR
Signal Red



EVWC2TPSY
Sandstone Yellow



EVWC2TPRG
Racing Green



EVWC2TPBG
Blue Grey



EVWC2TPTW
Traffic White



EVWC2TRB
Jet Black



EVWC2TPSG
Signal Grey



EVWC2TPBG
Deep Blue



EVWC2TMMS
High Impact Metal