BG **SYNC EV**

Socketed charger Datasheet

The perfect complement for electric vehicle charging at home. EVS7G-02 and EVS7GG-02 models.

Residential grant approved*, for more information see www.gov.uk/transport/low-emission-and-electric-vehicles

ev. energy

DEKRA certified

- 2 models available

- Quick and easy installation, with UK based technical support

- 3 year warranty, DEKRA certified & regulations compliant

- Compatible with all electric and hybrid plug-in vehicles

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

- Fully compliant with The Electric Vehicles (Smart Charge Points) Regulations 2021, including Schedule 1

- Full Smart! functionality via the ev.energy app

- Dynamic charging - up to 7.4 kW (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

- Residential grant approved (*EVS7G model)

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

SOCKETED RANGE FEATURES (EVS Models)

CODES :	**EVS7G-02** (WI-FI / LAN) **EVS7GG-02** (WI-FI / LAN / 4G)
TYPE :	SOCKETED
SOCKET/PLUG :	TYPE 2 SOCKET WITH AUTO LOCK
KW :	7.4KW 32A MODE 3
MIN CHARGE CURRENT :	CONFIGURABLE, 6 - 32A
ELECTRICAL INPUT :	220-240V, 50-60Hz, SINGLE PHASE
COLOUR :	BASE & TRIM - RAL 9005 (BLACK) BODY - RAL 7016 (GRAPHITE GREY)
CABLE MANAGEMENT :	BUILT IN CABLE WRAP
PEN PROTECTION :	YES, IN-BUILT EARTH DISCONNECTION
EARTH ROD :	NOT REQUIRED
RCD PROTECTION :	YES, 6mA DC, 30mA TYPE-A, IN-BUILT
OVERLOAD AND FAULT PROTECTION :	OVER CURRENT AND FAULT PROTECTION
ELECTRICAL CLASS :	CLASS 1, HOUSING CLASS 2
LOAD BALANCING :	VIA OPTIONAL ACCESSORY (ORDER SEPARATELY, CODE : EVA120CT1)
CONSUMER UNIT REQUIREMENTS :	40A MCB OR 30mA TYPE-A RCD (DEPENDENT ON CABLE TYPE &/OR ROUTE)
TERMINALS :	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/E/I & 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 - EVS7GG-02** 3 YEARS INCLUDED, WHEN USED WITH EV.ENERGY (ON THE INCLUDED PACKAGE). TOP-UP ONLINE TO CONTINUE SERVICE AFTER 3 YEARS
APP :	EV.ENERGY (LICENSE INCLUDED)
OPERATING TEMP :	-25 TO +40℃
SOFTWARE & FIRMWARE UPGRADE :	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, DEKRA CERTIFIED, THE ELECTRIC VEHICLES (SMART CHARGE POINTS) REGULATIONS 2021 INCLUDING SCHEDULE 1
SUPPLIED ACCESSORIES :	5X BASE FIXING CAPS, 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) :	297 (H) X 224 (W) X 123 (D)
ADDITIONAL :	ANTI TAMPER DETECTION - 2 LAYER PROTECTION, BLUETOOTH TO BLUETOOTH COMMISSIONING, BUILT-IN SPIRIT LEVEL
ACCESSORIES :	SINGLE CHARGER STAND (EVASTAND12S) TWIN CHARGER STAND (EVASTAND12T) LOAD MANAGEMENT KIT (EVA120CT1) CHARGING CABLES (VARIOUS OPTIONS, SEE SYNCEV.CO.UK)

297 mm

123 mm

224 mm