



Tethered charger Datasheet

The perfect complement for electric vehicle charging at home. EVT77G-01 and EVT77GG-01 models.

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



-  2 models available
-  Quick and easy installation, with UK based technical support
-  3 year warranty & DEKRA certified
-  Compatible with all electric and hybrid plug-in vehicles

- Models with Wi-Fi/LAN and Wi-Fi/LAN+4G
- 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
- 7.5m of cable and Type 2 connector
- Residential grant approved (*EVT77G model)
- Socketed models also available



View the full range at syncev.co.uk

TETHERED RANGE FEATURES (EVT Models)

CODES :	EVT77G-01 (WI-FI / LAN) EVT77GG-01 (WI-FI / LAN / 4G)
TYPE :	TETHERED
PLUG / CABLE :	TYPE 2 PLUG, 7.5 METRE, BLACK H07BZ5-F3x6mm ² +2x0.5mm ² , TPU
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 - EVT77GG-01 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°C
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
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) :	260 (H) X 204 (W) X 139 (D)
ADDITIONAL :	BUILT-IN SPIRIT LEVEL
ACCESSORIES :	SINGLE CHARGER STAND (EVA120CT1) TWIN CHARGER STAND (EVA120CT2) LOAD MANAGEMENT KIT (EVA120CT1) CHARGING CABLES (VARIOUS OPTIONS, SEE SYNCEV.CO.UK)

