

Electric Vehicle Charging Points– Technical Submittal

Project: Unite, Kincardine
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Notes:

6No. Rolec EVCO 0220 EV charging points proposed to be used in line with original proposals.

For final locations of charging points please refer to ameon external services layout

500991-AME-ZZ-00-DR-E-6001-C01 - EXTERNAL ELECTRICAL SERVICES LAYOUT

BASICCHARGE:EV

EV CHARGE.ONLINE

Type 2, Mode 3 Charging Socket(s)

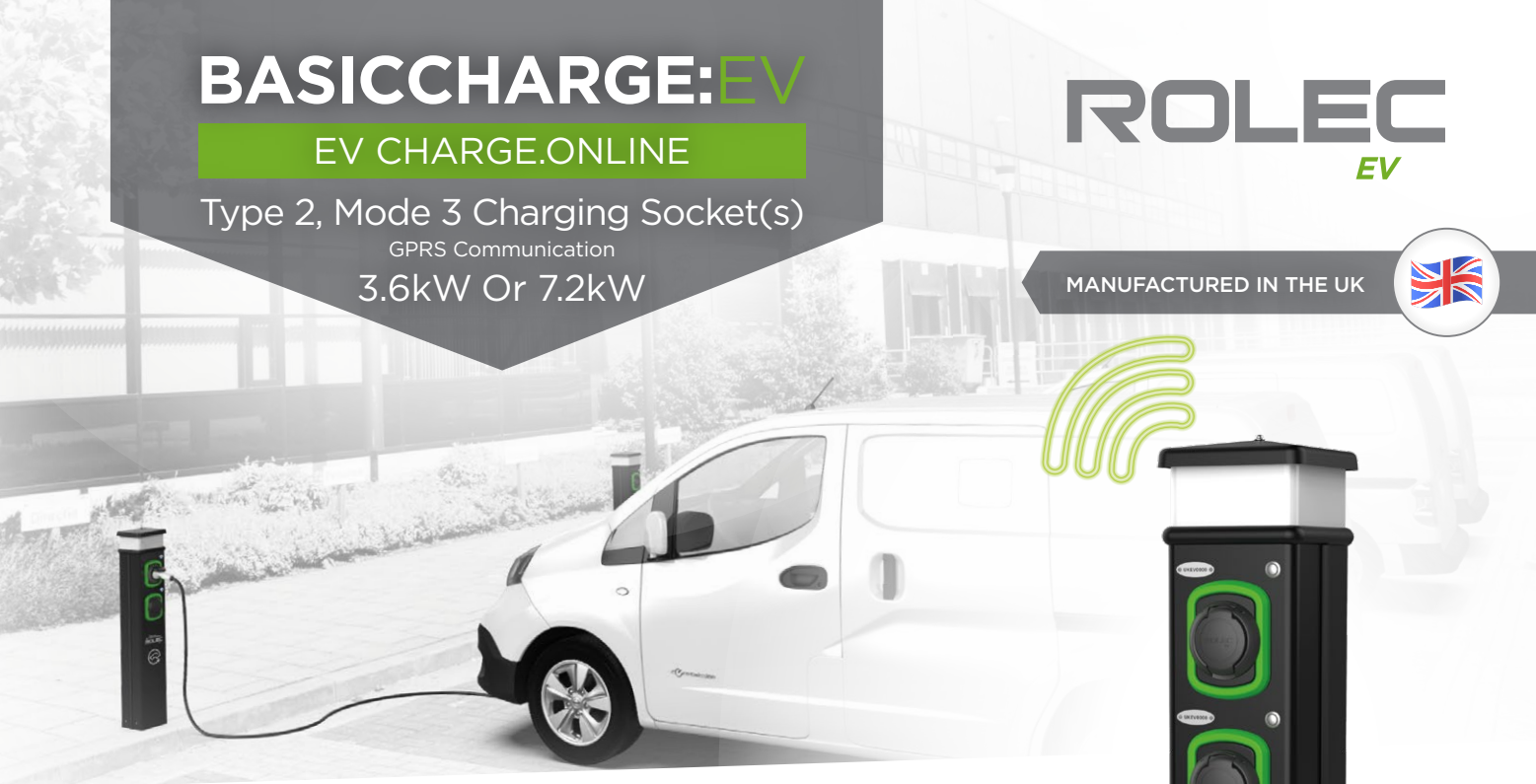
GPRS Communication

3.6kW Or 7.2kW

ROLEC

EV

MANUFACTURED IN THE UK



The BASICCHARGE:EV Charge.Online pedestal is the brother to Rolec's world-leading Classic utility pedestal, which now boasts over 150,000 units sold worldwide.

This mass produced, tried and tested pedestal is, we believe, the most affordable and adaptable EV charging pedestal in the world and is ideal for a variety of different locations, offering a simple pay-to-charge solution via the EV driver's smartphone.

Available in both 1way & 2way versions, providing Mode 3 fast charging in 3.6kW or 7.2kW speeds, this unit features a GPRS antenna communication connection.

PRODUCT FEATURES

- IEC 61851-1 Mode 3 fast charging
- 1way and 2way 3.6kW (16A) & 7.2kW (32A) charging options
- IEC 62196 (Type 2) charging socket(s) c/w security hatchlock(s)
- Photocell controlled LED amenity lighting head
- Surface or roof mountable
- Built-in overload and fault current protection (Type A RCBO)
- Built-in DC sensitive protective device
- Built-in LED charging status indicator
- Built-in class 1 MID compliant kWh meter
- EV driver Pay-to-Charge facility using their smartphone
- Easy to install and maintain
- IP Rated and UV stabilised
- Corrosion resistant

Unit shown: BASICCHARGE:EV
EV CHARGE.ONLINE
2way Socket (Type 2) Charging Pedestal



GPRS
Connectivity



EV Driver Multi
Device Access



Branding & Colour
Options Available



LED Amenity
Lighting



IP Rated &
UV Stabilised

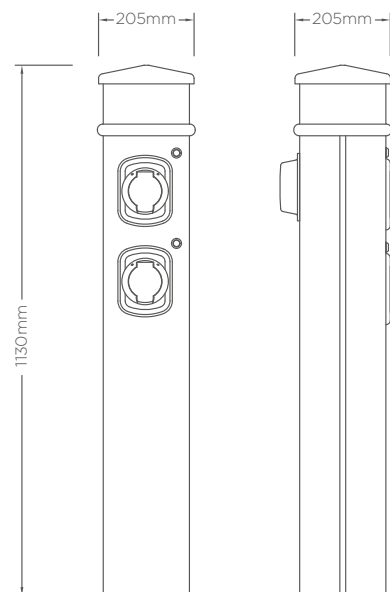


CE
Certified

SPECIFICATIONS

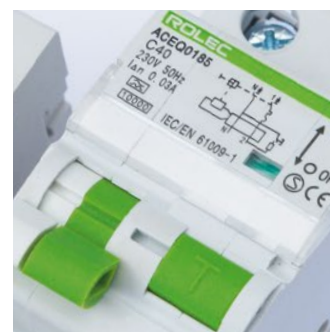
PHYSICAL

Dimensions	205mm x 1130mm x 205mm (W x H x D)
Standard Body Colour	Black (Other colours available upon request)
Standard Pod Colour	Green (Other colours available upon request)
Pedestal Material	High impact resistant aluminium composite outer shell
Internal Chassis	Heavy duty, hot dipped galvanised steel
Operating Temperature	-30°C to +50°C
Certifications & Compliances	Wiring Regulations - BS 7671 (18th Edition) IET EV Regulations, Glow Wire Testing - IEC 60695-2-13 EMC Compliance - EN 61000-6-3, EN 61000-6-2 Safety Compliance - EN 60950-1, EN 60950-22 Low Voltage Directive (LVD) 2014/35/EU Environmental Protection - IP65 Housing, IP54 Socket - Weather Resistant BS EN 60529 UL94 Flame Rating at V2 for 1.5mm and 3.0mm



ELECTRICAL

Product Code	EVCO0210	EVCO0211	EVCO0220	EVCO0221
Charging Socket(s)	1x IEC 62196 (Type 2)		2x IEC 62196 (Type 2)	
Rated Output	3.6kW	7.2kW	3.6kW	7.2kW
Rated Current	16A	32A	16A	32A
Charge Protocol	Mode 3			
EV Charging Compliance	EN 61851-1, EN 61851-21, EN 61851-22			
Input Voltage	230V AC/50Hz (Single Phase)			
Overload & Fault Current Protection	Built-in 30mA Type A RCBO & 6mA DC Sensitive Device			
	1x 20A	1x 40A	2x 20A	2x 40A
Cable Terminals	3 x 35mm			
Communications	GPRS - Recommended signal strength of 14 CSQ or above			
Standby Consumption	Approx 0.3kWh per day		Approx 0.4kWh per day	



EV CHARGE.ONLINE

- Built-in modem and GPRS signal antenna
- Built-in roaming Sim card connects directly to the strongest signal
- Smart charging control via the [EV Charge.Online](#) smartphone app
- UltraSmart Back Office management

Connected by Vodafone

EV CHARGE.ONLINE PARTNERS/ASSOCIATES

OPTIONS & ACCESSORIES

- Load Manager system (electrical distribution management)
- Available with powder coated aluminium or stainless steel outer shell
- Corporate branding (colours, logo badge, etc.)
- Galvanised steel ground mounting base
- Protection barriers & charge point signage
- EV charging cables (Type 1 to Type 2 or Type 2 to Type 2)
- High gain, remote or unit mounted GPRS signal antenna



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