

QUANTUM:EV

GROUP MANAGER - RFID

Type 2, Mode 3 Charging Socket(s)

GPRS Communication

3.6kW Or 7.2kW

ROLEC

EV

MANUFACTURED IN THE UK



The QUANTUM:EV Group Manager pedestal offers a blend of quality and value, and has been specifically designed to provide both style and flair. Its unique LED louvered amenity lighting safely guides EV drivers to their charging point during the hours of darkness. The unit's custom branding options also provide the perfect blank canvas for company logos, colours, etc.

This versatile, future-proof pedestal offers a secure private networked RFID EV charging system. A fully tailored solution ideal for locations such as offices, factories, private car parks, schools and depots, it is perfect for providing any size of EV charging network and is proving extremely popular for fleet management.

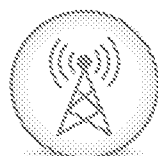
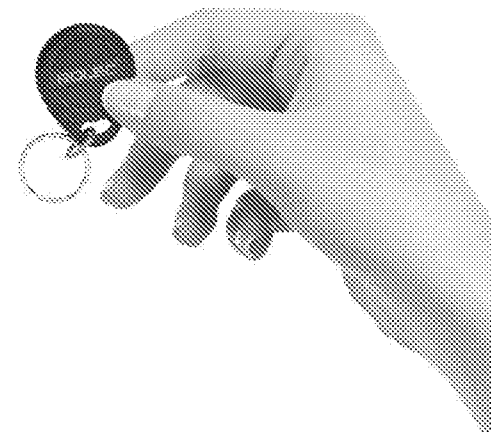
Available in both 1way & 2way versions. Each unit provides Mode 3 fast charging in either 3.6kW or 7.2kW speeds and features a GPRS antenna communication connection.

PRODUCT FEATURES

- IEC 61851-1 Mode 3 fast charging
- Available in 1way and 2way 3.6kW (16A) & 7.2kW (32A) versions
- 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 (RCBO)
- Built-in LED charging status indicator
- Built-in class 1 MID compliant kWh meter
- Built-in back-lit RFID Reader & full operating instruction fascia
- Host can provide EV drivers with a pre-authorised RFID Card/Fob
- OLEV Grant Fundable under the Workplace Charging Scheme
- Easy to install and maintain
- IP66 British Standard Institute (BSI) certified
- Corrosion resistant, UV stabilised & fire retardant
- Impact resistant design. CE certified



Unit shown: QUANTUM:EV
GROUP MANAGER
2way Socket (Type 2) Charging Pedestal



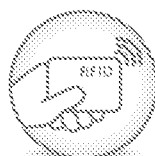
GPRS

Connectivity



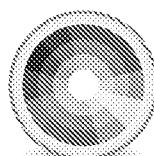
Grant

Fundable

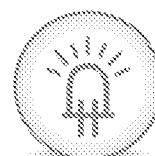


RFID

Card/Fob



Branding & Colour
Options Available



LED Amenity
Lighting



IP66 Weather Proof
& UV Stabilised

SPECIFICATIONS

PHYSICAL

Dimensions	382.5mm x 1440mm x 262.5mm (W x H x D)
Standard Body Colour	Black (Other colours available upon request)
Substructure Material	2.5mm thick, high quality 6063 extruded aluminium with a 25 micron hard anodised protective cosmetic finish
Lid Material	High impact resistant 3mm polycarbonate
Base Material	High impact resistant, heavy-duty 5mm polycarbonate
Lid/Sandwich Material	High impact resistant polycarbonate
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 61000-6-3:2007, EN 61050-4-2:2005 Safety Compliance - EN 60950-1:2006, EN 60950-22:2006 Low Voltage Directive (LVD) 2014/35/EU Environmental Protection - IP66 (Category 1) Weatherproof BS EN 60529 UL94 Flame Rating at V2 for 1.5mm and 3.0mm

ELECTRICAL

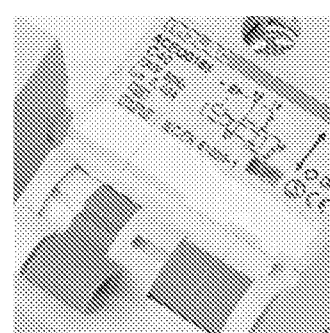
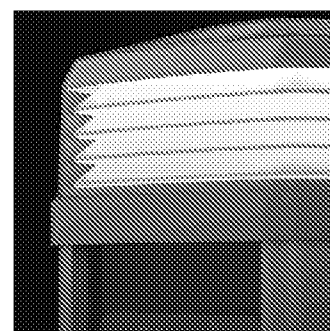
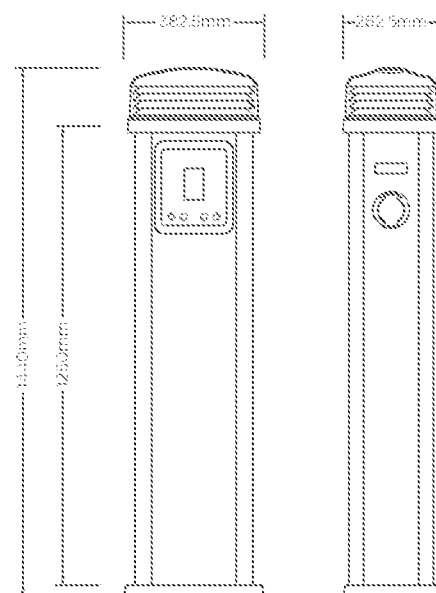
Product Code	EVGM0210	EVGM0211	EVGM0220	EVGM0221
Charging Sockets/D	1x IEC 62196 (Type 2)	2x IEC 62196 (Type 2)	2x IEC 62196 (Type 2)	2x IEC 62196 (Type 2)
Rated Output	3.6kW	7.2kW	3.6kW	7.2kW
Rated Current	16A	32A	16A	32A
Charge Protocol	Mode 3			
EV Charging Compliance	EN 61851-1:2001, EN 61851-21:2002, EN 61851-22:2002			
Input Voltage	230V AC/50Hz (Single Phase)			
Overload & Fault Current Protection	Built-in 30mA Type A RCBO & 6mA DC Sensitive Device			
Incoming Cable Termination	1x 20A	1x 40A	2x 20A	2x 40A
Incoming Cable Termination	3 x 35mm			
Wireless Communications	GPRS Cellular Data Network Radio Equipment Directive			
RFID Access Standard	ISO / IEC 4443A/B			

GROUP MANAGER

- High level, encryption secure RFID reader hosted on MIFARE DESFire EV 1 technology
- Back-lit digital information and charge time available display screen
- Built-in industrial grade programmable logic controller (PLC)
- Programmable charging time periods
- Built-in modern and high gain GPRS signal antenna
- GPRS communication and Back Office connectivity
- Built-in roaming Sim card connects directly to the strongest signal
- Group Manager Back Office management

OPTIONS & ACCESSORIES

- RFID Card / Fobs
- Load Manager system (electrical distribution management)
- 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)



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