ratio

io7 City

IP54
Ingress Protection

IK10
Impact Resistance

7.4kW -22kW

-20 to 35°C
Ambient

LED
Light Source

- 2 x 22kW or 7.4kW sockets
- Fully PAS1899 compliant
- Single and three phase open PEN fault protection
- Certified MID meter or CT variants available
- Projected L85 after 100,000 hours
- Polyester powder coat finish in dark grey or a bespoke colour
- Marine grade aluminium housing
- UV stabilised polycarbonate lens
- Upgradable light engine and replaceable control gear
- OCPP 1.6J compliant and OCPP 2.0.1 ready
- Supports static and dynamic load management
- Anti-tamper door fixing as standard
- Compatible with all major payment devices
- Fully customisable and branding available
- Option for vehicle-to-grid ready

WARRANTY 3 YEARS WARRANTY

MADE IN UNITED KINGDOM

io7 City

ratioev.uk

Product	Description	Socket	kW	Metering	Height
io7 City	Single & Three phase	Twin or Single	7.4kW - 22kW	MID or CT	1.5m

Electrical Charateristics & Specifications	
Charging System	IEC 61851 Mode 3
Supply Voltage	Single phase / three phase, 230 / 400V, 16A / 32A
Charging Power	7.4kW & 22kW
Protections	AC 30mA, DC 6mA
O-PEN	PME fault detection on single and three phase versions
Energy Meter	Certified MID meter or CT variants available
System Power	19W
LED CCT	3000K
LED CRI	>70
Lumen Output	1000lm
Lumen Maintenance	Projected L85 after 100,000 hours
Drive Current	414mA
Operating Frequency	50/60Hz

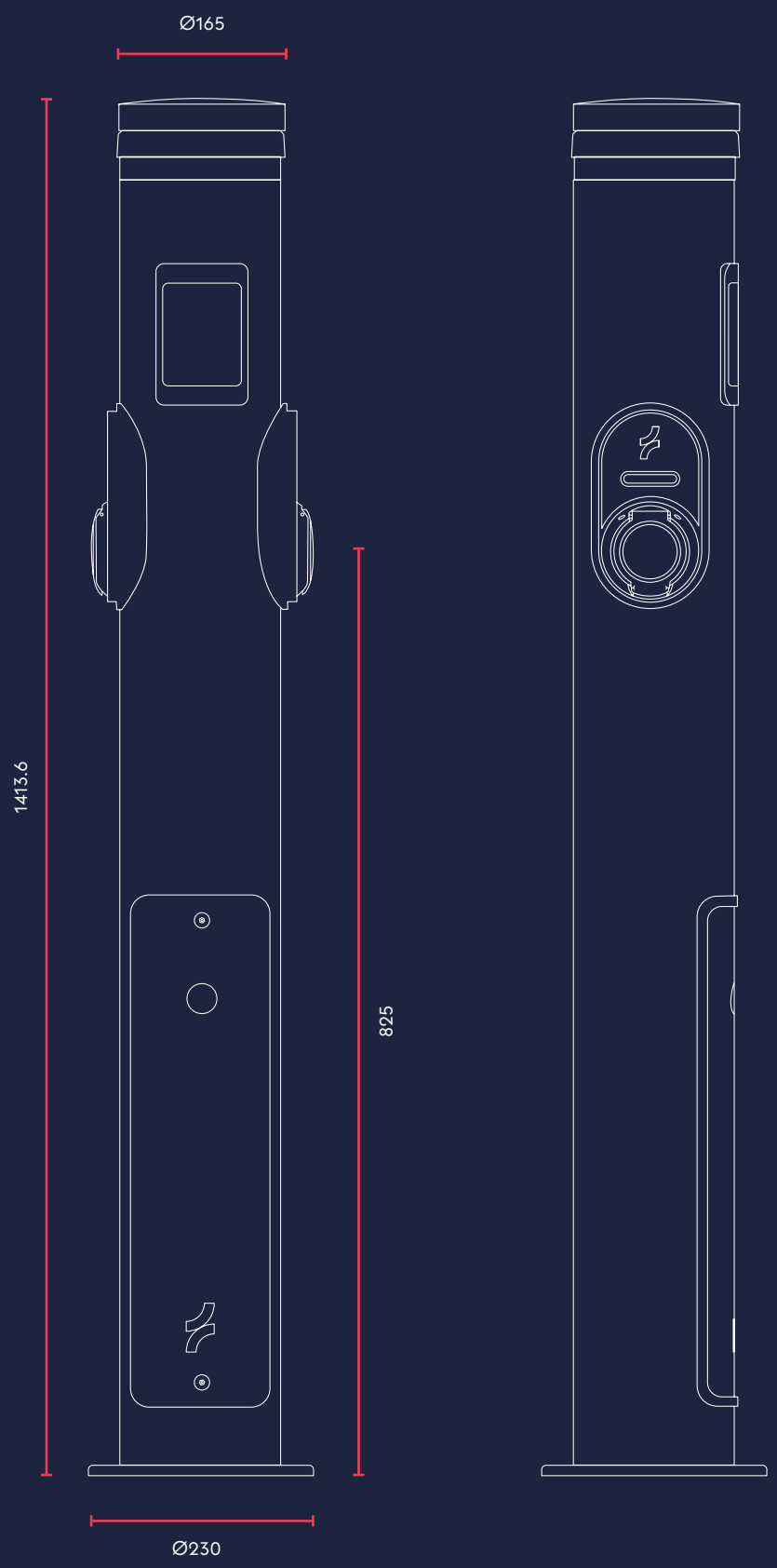
Dimensions	
Dimensions	Dia. 165mm x 1500mm
Weight	17Kg

Mechanical Characteristics	
Housing Material	High pressure die cast LM6 aluminium and extruded 6063T6 aluminium
Housing Finish	Chromate free pre-treatment, polyester powder coat, dark grey (RAL7022) or bespoke colours on request
Impact Resistance Rating	IK10
Ingress Protection Rating	IP54 (lighting head IP66)
Operating Temperature	-25c to +40c
Mounting Methods	Flange and suitable for 168 NAL socket
Lens Material	UV stabilised polycarbonate

EV Charging Design Features	
EV Connections	OCPP1.6J & OCPP2.0.1 ready
Connectivty	Internet, Ethernet, Wi-Fi and 4G - Sim Card with 36 months data supplied as standard
Power Sharing*	Connect up to 40 sockets on one grid connection. Available power will be distributed evenly to connected EVs. Supports static and dynamic load management
Solar Charging*	Prioritises your power consumption by utilising solar energy when available
Safety Feature	Locking mechanism to prevent disconnection of cable under load
Commissioning	Full configuration of the charger set up using the Ratio EV web portal
Secure authentication	Protect your charger from unauthorised use using the RFID access or use the plug and charge mode for fast and easy charging
Payment Decives	Compatible with all major debit and credit card payment devices

Compliance	
Standards	LVD 2014/35/EU, EMCD 2014/30/EU, BS EN61851-2019, EN61000-2, EN61000-3, CE Certified, BS7671-2018
Marking	UKCA
GDPR	Your privacy ad sensitive data is handled with care and in compliance with GDPR
Accessibility	Fully PAS1899 compliant
Vehicle-to-Grid (V2G)	ISO 15118 ready as an option

***Dynamic load management and solar charging requires Sense Kit**



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