

# io7 City

ratio



## COMMERCIAL CHARGING

- ⚡ Professional lighting optic with less than 2% upward lighting
- ⚡ 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
- ⚡ Extruded aluminium body
- ⚡ IK10 impact rating - suitable for public space
- ⚡ Supports static and dynamic load management
- ⚡ OCPP 1.6J compliant and OCPP 2.0.1 ready
- ⚡ Option for vehicle-to-grid ready
- ⚡ Designed and manufactured in the UK



Dimensions and Specifications	
Charging System	IEC 61851 Mode 3
Power Input	Single phase / three phase, 230 /400v, 63A
Power Output	7.4kW or 22kW per socket
Protections	AC 30mA, DC 6mA
Pen Fault Detection	Open PEN fault protection on single and three phase
Dimensions and Specifications	Dia. 165mm x 1500mm
Weight	17kg
Impact Rating	IK10
Enclosure Rating	IP54 (lighting head IP66)
Operating Temp.	-25C to +40C
Connectivity	Ethernet, Wi-Fi and 4G sim card and 36 months data supplied as standard
OCPP	OCPP 1.6J compliant and OCPP 2.0.1 ready

Design features	
Housing	Marine grade polyester powder coated aluminium
Options	Single phase 7.4kW to three phase 22kW options
Energy Meter	CT or certified MID meter variants available
Applications	Suitable for business, commercial, fleet and public charging
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 access
Configurable cable lock	Option to lock the cable into the charger
LED CCT	3000K
LED CRI	>70
System Power	19W
Distribution	Symmetric, 360 distribution, less than 2% upward lighting
Lumen output	1100lm (1.10klm)
Lumen Maintenance	Projected L85/B10 after 100,000 hours

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 (V2C)	Option to be ISO15118 ready

\*Dynamic Load Management and Solar Charging requires Sense kit