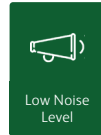
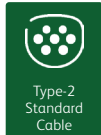
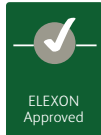




# ubitrlicity EV Chargers for Lampposts "Chelsea" Data Sheet

In-column or satellite bollard, model name: Chelsea 2.2

ubitrlicity's "Chelsea" is an elegant, low cost, convenient way to convert street lights to public electric vehicle charging points.



## General Information

### How it works

Any EV driver can use a standard Type 2 cable to charge their car at a ubitrlicity lamppost or bollard charger. Drivers use their smartphone to scan a QR code for contactless Pay As You Go. No app or subscription required. Drivers receive an email VAT receipt for kWh used when the charging process ends. Local Authority receive monthly reports of all transactions and network data.

### Metering

Each "Chelsea" charger measures the electricity used by EV drivers. It works on metered and unmetered networks via ubitrlicity's Elexon-approved Measured Central Management System. The local authority's energy bills for street lights are not affected.

## Technical Information

### Housing

Dimensions: suitable for poles with an inner diameter of > 110 mm in the base and > 67 mm in the shaft  
Material: polycarbonate (fully recyclable)  
Protection class IP54 / IK10 when installed

### Installation

Integrated into lampposts or satellite bollards

### Protection Technology

Residual direct current detecting device (RDC-DD) >6mA DC integrated  
Upstream components for electrical protection (fuse, RCD Type A) delivered as part of the installation

### Plug Connection

Type-2 IEC 62196-1/2, with interlock

### Charging Capacity

standard max. 5 kW (230 V, single-phase) and configurable to local grid conditions

### Charging Mode

Mode 3 per BS EN IEC 61851-1:2019

### Communication

OCPP v1.6 Communication Protocol, Firmware over the air updates

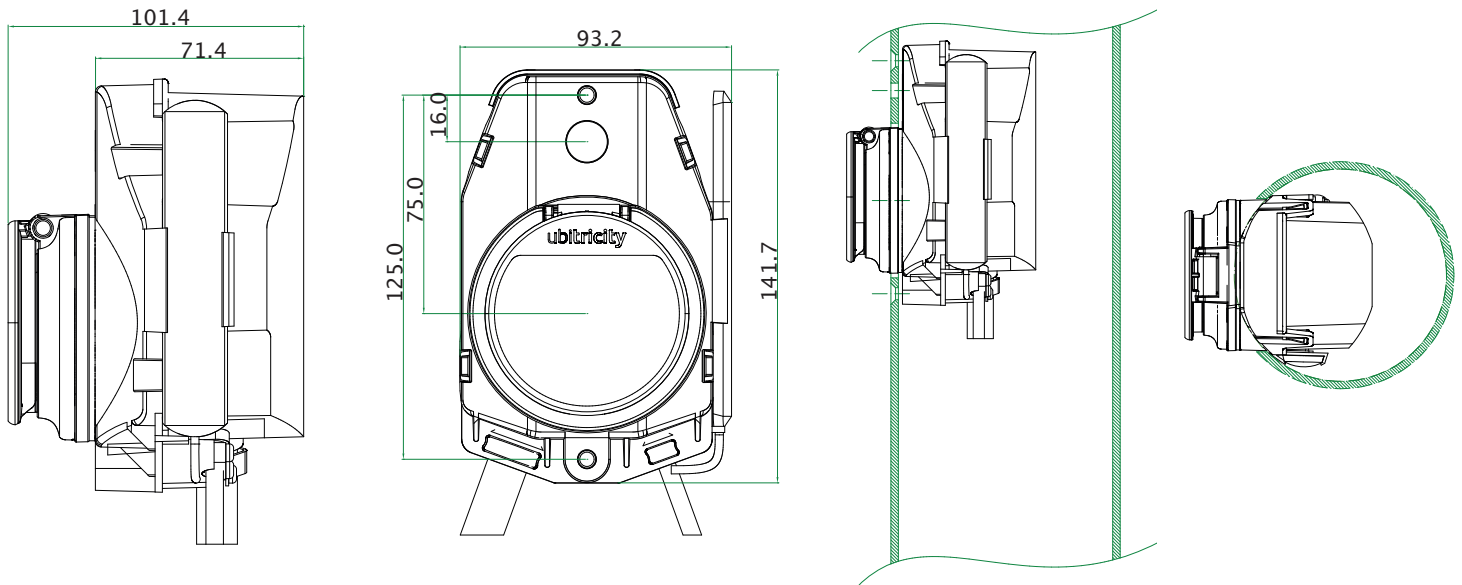
### Standards and Certification

- BS EN IEC 61851-1:2019
- UKCA / CE Marked
- UK Radio Equipment Regulations 2017 (as amended)
- UK Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012 (as amended)
- EU Radio Equipment Directive 2014/53/EU
- EU Restriction of Hazardous Substances Directive 2015/863
- Alternative Fuels Infrastructure Regulations 2017 compliant
- ELEXON certified BSCP520 Measured Central Management System
- OZEV On-street Residential Charging Scheme (ORCS) compliant
- National Cyber Security Centre-certified

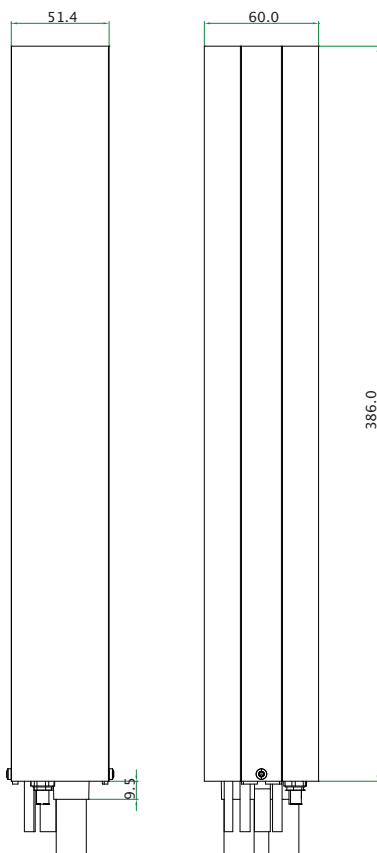


# Dimensions of ubitricity EV Charger "Chelsea"

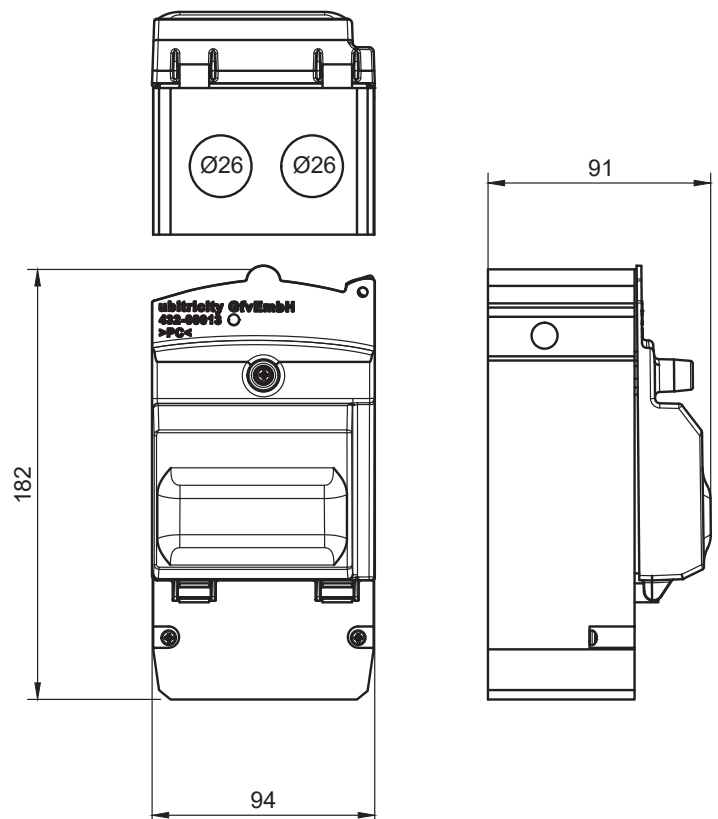
Outlet housing



Electronics housing



Fuse Box



### Dimensions NAL Bollards

