

# Smart Enabled 3 Phase Unit

Fast commercial charge point 11/22kW three phase with Safevolt® and 6mA DC bloc built in.

*Our charge points are designed for ease of installation and simple operation. The charge points are ideal for business use and enable employees to benefit from the convenience of work based charging.*

Mallatite charge points are post mounted with the option of single or twin units depending on your requirements. The post is manufactured from mild steel featuring a flush access door for electrical connection below the unit. Wall mounting options are also available.

The units can be supplied to feature a brand name, logo or any design that may be required. Charge points are compact, self-contained units made from durable, weather-resistant solid stainless steel and they are low maintenance. Metering is located inside the charging unit, and the software can be reset and updated via remote control. 'Smart' model security is provided by key fob to enable charging and a connector lock with the type 2 socket version. The unit features optional usage reporting, for business users. Due to their simple design, units can be replaced in less than 10 minutes.

All our columns and posts can be made bespoke to your requirements, to make sure your EV Smart charging columns make a visual impact. We can also offer additional column protection units should you wish to safeguard your charge points from accidental vehicle collision.

**Smart enabled - Fast commercial charge point 11/22kW three phase with Safevolt® and 6mA DC bloc built in**

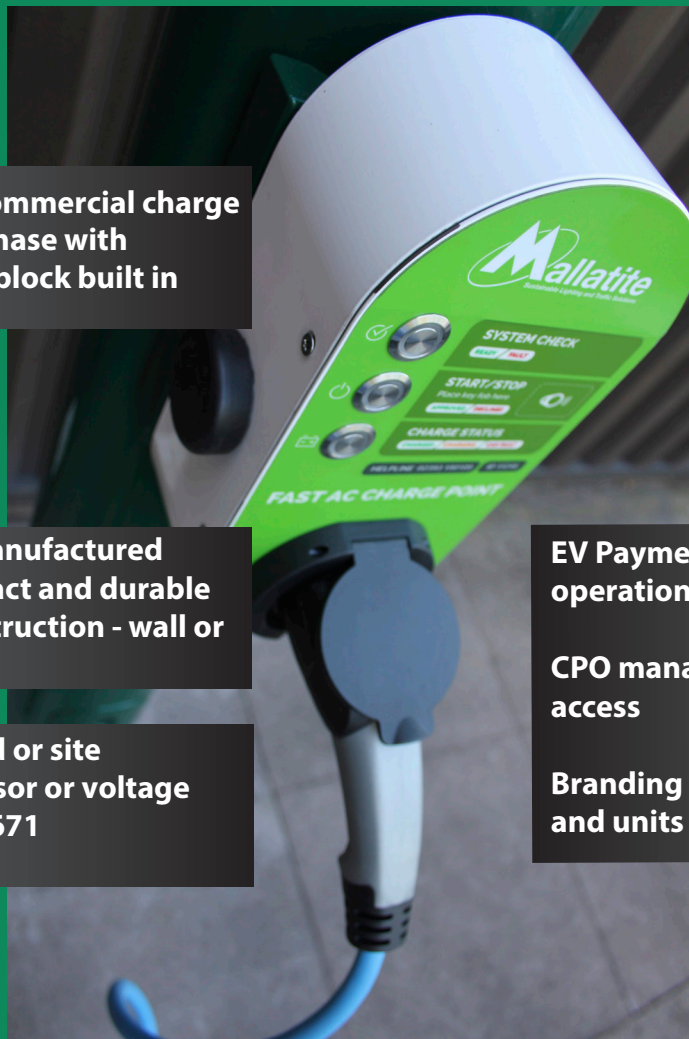
**British designed and manufactured OLEV Approved - compact and durable 316 stainless steel construction - wall or post mount**

**No need for ground rod or site excavation - Smart sensor or voltage sensing 18th Edition 7671**

**EV Payments system - EVopencard operation with optional QR and NFC**

**CPO management system with web access**

**Branding options for payments system and units**



# EV Smart Charging Technology

- CityEV EVopencard app
- Optional QR & NFC operation
- Clear LED indicators with optional fob operation

## SMART CHARGING

The New 300 Smart - Fast AC three phase 11/22kW charge point is designed for ease of installation with built in Safevolt® and DC block technology and 6mA DC block with a payments management system for CPO 'out of the box' implementation and operation; the 300 smart charge point is the ideal EV charge points for commercial and public applications and can deliver fast AC charging at a full 32 amps per phase, max 22kW total. The 300 Smart is available with plug in easy operation or with access control via a fob, and can be operated with the EVopencard app; supplied as type 2 socket version and can be used with an industry standard cable for Type 1 or 2 vehicles. Security is provided by a fob to enable charging and a connector lock with the type 2 socket.



## **ELECTRICAL**

Charge Current Rating - Min 6A - Max 32A, per phase  
Charge Power Rating - Min 1380W – Max 22080W  
Supply Voltage - 30VAC +10% -6% (216V – 253V)/Phase - 380VAC Required Supply Rating Three Phase 32A/phase

## **EV CONNECTOR**

Type 2 Socket Connector EN 62196-2 Type 2 socket with cover flap.  
Lock 'Smart' model Locking socket  
Can be used with any standard Type 1/2 to Type 2 cable - car universal

## **CHARGE MODE**

Charge Mode 3 fully compliant  
CHARGE POWER CONTROL - Maximum Charge Current Up to 32A per phase

### **USER CONTROLS**

Display 1 or 3 Bright Tri-colour LED display indicators  
Displayed Information  
SYSTEM Ready/Busy/Fault (depending on model)  
APPROVAL Authorised/Pending  
CHARGE Charging/Charged/EV Fault  
Start / Stop 'U' model Optional via RFID fob  
Remote data collection - Via CityEV SIM - GPRS

## **USER AUTHORISATION**

Local/Public RFID RFID Fob/CityEVEVopencard app / NFC and QR

## **SAFETY FEATURES**

EV supply- disconnected until EV properly connected  
Safety - Safevolt® Automatic PME fault detection and 6mA DC block  
Charge Current Limiter - Charge current automatically limited to connected cable size (Cable size validation).  
Cable Fault Detection - EV Cable automatically checked for faults  
EVSE Fault Monitor - Auto fault monitoring of contactor operation, supply, output and charge point internal operation  
EV Fault Monitoring - EV communication fault monitor  
Charge Current Monitor - EV charging current automatically monitored for under/over current conditions. EV Supply disconnected for over current faults

## **MOUNTING OPTIONS**

Wall Mounting option  
Post mounting option - offering a range of mounts to accommodate a number of standard post diameters and profiles.  
Cable Entry - Rear or bottom supply for standard 20mm cable gland

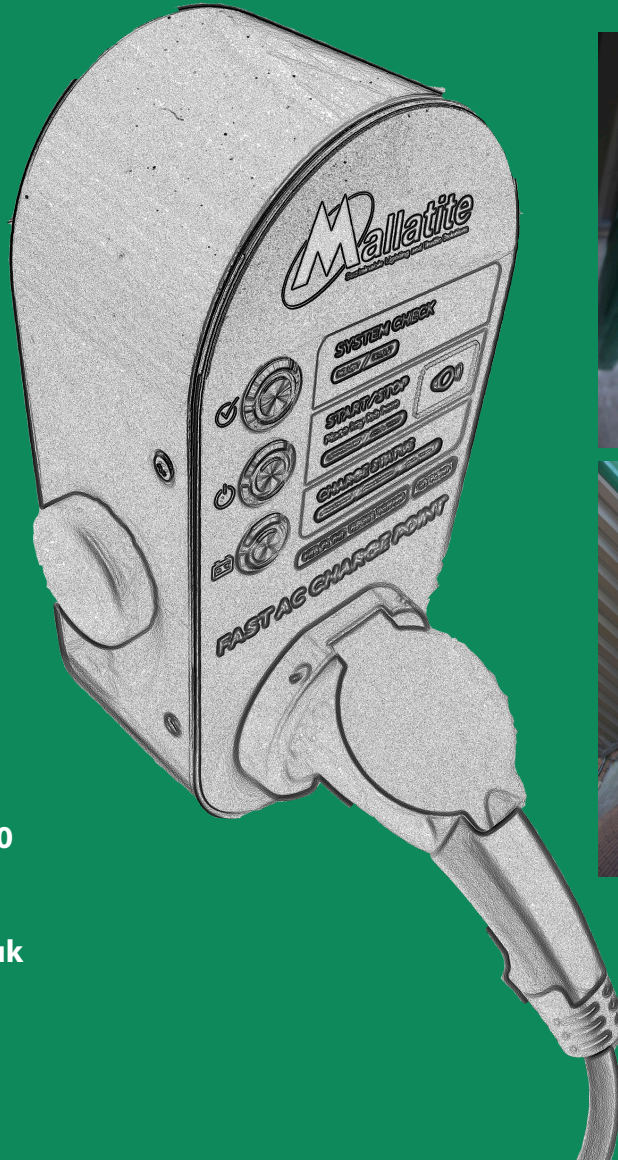
## **ENVIRONMENTAL**

Enclosure Size - 300mm H x 140mm W x 85mm D - Weight 3-4Kg  
Environmental Protection - Outdoor rated, protection to IP65  
Vandal Resistance - IK10  
Operating Temperature - -20oC to 55oC  
Operating Humidity - 10% to 100%





# EV **Smart** Charging Technology



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