



## Char.gy

### CP01 Datasheet



## Description

A Char.gy is an electric vehicle charging point suitable for installation on street lampposts. It is suitable for mode 3 charging via a type 2 connector up to 7.36kWh or 32A. The Char.gy app or website, or an OCPP compliant backend, is required to use these units. They are configured and managed remotely - so while designed for lampposts, they can be installed anywhere.

It adheres to current standard BS EN 61851-1 for electric vehicle chargers.

## Features

- Designed to be mounted on a lamppost
- Compact - 383mm x 197mm x 199mm
- Up to 7.36kWh or 32A charging
- Standard Type 2 socket
- Plug is locked in socket while in use
- Complemented by the Char.gy app or website, or an OCPP backend
- Remote management and configuration
- 10 year limited warranty

Dimensions	383mm x 197mm x 199mm
Shipping weight	7.5kg
Standard colour	Black - other RAL K7 colours are available
Outlet socket	1x Type 2 EV socket (BS EN 61851-1)
Input voltage	230v
Input current	32A 50Hz
AC charging output	7.36kWh
Standby power consumption	4Wh
Over current and safety protection	1x 32A 30mA type B RCBO
Environmental protection	IP55
Control	'Mode 3' SELV DC & PWM control signaling, Conforming to ISO/IEC 61851-1 Annex B, validated by Nissan, Renault, Ford, BMW, PSA and Mitsubishi
Wireless communications	GPRS Cellular Data Network Radio Equipment Directive
Network communications protocol	TCP/IP 2 way communication on with secure central server, Full 'handshake' between charging post and server.
Network security	HTTPS, 128 bit encryption
Operating temperature	-30°C to +50°C
Operating humidity	5% to 95%
EMC compliance	BS EN 61000-6-1 and BS EN 61000-6-3 (Electromagnetic Compatibility Regulations 2006)
Safety compliance	Electrical Equipment Safety Regulations 1994
CE marking	In accordance with EC Directive 768/2008/EC
OCPP	version 1.6 compliant

Pay as you go service	Yes
Warranty	10 year

## Warranty

All correctly installed Char.gy hardware is covered by our 10 year limited warranty. Any hardware failure should be promptly reported to us by e-mail to [hello@char.gy.com](mailto:hello@char.gy.com) quoting the serial number, location of the product, and giving a brief description of the failure.

Our support team will then investigate, and attempt to remotely resolve the issue. They may ask you to provide additional information to assist in this. If the issue cannot be resolved remotely, and the product is in warranty, we will make arrangements for one of our team to visit the location and, if the issue is a result of any shortcoming in design or manufacture it will be made good free of charge or, at our option, exchanged for a replacement product.

If we attend site, and the fault is not a result of a shortcoming in design or manufacture of our product, we will make reasonable attempts to suggest what the issue is, and propose a resolution which may have a fee associated with it. A call out fee will be applicable where our product is not at fault.

## Limitation of liability

In no event will we accept any liability for any loss, costs or damage consequential on the use and/or misuse of our hardware products, vandalism, accidental or intentional damage, except and only to the extent that this is caused by our negligence.

## Contact

CHAR.GY LIMITED

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<https://char.gy>