

Nedal[®]
ALUMINIUM

MEMBER OF PURSO GROUP



CityCharge

www.CityCharge.eu

NEDAL CHARGING LIGHT COLUMN



Why choose **CityCharge**?

- ✓ More charge points than ever before
- ✓ Street clutter is kept to a minimum
- ✓ Made of durable aluminium
- ✓ Light columns become a source of revenue rather than expense
- ✓ Low-maintenance with a long service life
- ✓ Extremely safe double-insulated Light column

THE SUSTAINABLE SOLUTION FOR A GREENER CITY

There is a huge and growing need for charge points for electric cars. In fact, some 1.7 million charge points will have to be installed by 2030 to meet the demand. However, towns and villages often have limited space and residents are not keen on their streets becoming even more cluttered. Our charging Light column offers a solution! As the name suggests, it is a Light column and charge point in one. In this way, we will be able to provide more than enough charge points for electric cars and contribute to a green future while keeping our streets visually appealing. In addition, the charging Light columns also have space for sensors and connectors, bringing the sustainable city closer than ever!

This is how we create the city of the future!

In the city of the future, driving electric will no longer be a challenge. No more searching for a charging station, just a connection right in front of your door. And all that without cluttering up the streets with even more cabinets, poles and other street furniture. Thanks to the charging Light column, driving electric is easy and all other concerns will melt away like snow in the sun. This is how we will ensure a green future for every city!

Technical specifications | The technical specifications are set out in the following tables:

Casing	
Material	Aluminium
Dimensions	4-8 metres
Finish	Untreated, coated and anodised
Protection	Double-insulated
Input values	
Standby power	5 watts
AC incoming	400V AC with 3 phase, neutral and earth
Voltage and current consumption	400V AC at 32A
Maximum connected load	32A (limited to 30A by software)
Output values	
AC output power max	22 kW max
Communication	
3G GSM modem	850/900/1800/1900/2100 MHz
RFID reader	Complies with ISO 15693 and ISO 14443
Connection	
Connection to vehicle	Type 2 connector in accordance with IEC 62196
Installation parts	
Circuit breaker	4 pole 32A
Residual-current device	Residual-current device 30mA
Main switch	40A 4 pole
Ambient conditions	
Operating temperature	Ambient temperature from -30 to +50 degrees Celsius
Humidity	Up to 95% non-condensing
Software	
Firmware	Remote firmware update
Backoffice	Cloud backoffice (via LMS)
Protocols	OCCP 1.2, 1.5, 1.6, 2.0
Controller	
Type	EVC5.06 AC V2 Charger Controller
Standards	
Charging mode	Mode 3 in accordance with IEC 61851
Safety standards	Complies with IEC 61851, IEC 62196 and IEC 61439
AC V2G	IEC 15118