



## LUMiCHARGER LP

Ordering code: LMCHLP

LUMiCHARGER LP is EV charger integrated into public lighting column, which can work independently or communicate with Seak lighting control system to negotiate the power available for electric vehicle (EV) charging. During the day, street lighting remains in standby mode and we use full line capacity for EV charging. At night, part of line capacity is used for lighting and the rest for cars. Further, the power saved by dimming of luminaires is used to increase the current we can deliver to the EVs.

### Features

- ✓ Compatible with SEAK SMART CITY lighting control
- ✓ RS485 or Powerline communication
- ✓ EV charger sockets integrated into public lighting (Type 2, Mennekes)
- ✓ Built-in LED display, LED indicator of charging status
- ✓ Authentication variability - RFID, QR code, Smart phone via [chargeme.online](https://chargeme.online)
- ✓ Optional contactless payments

Parameter	Value
Input voltage	AC 3x230 V
Line frequency	50 Hz
Maximum output current	3x32 A
Total maximum output power	22 kW
Own consumption	max. 11 W
Communication interface	2-way powerline QM-50-SSI3 (asynchro) or Modbus RS485
Protection class	I.
Protection type	IP65
Charging access	RFID, App <a href="https://chargeme.online">chargeme.online</a> , QR code, contactless card
Type RFID card	MIFARE card / tag according to ISO 14443(13.56MHz) and 15693
Earthing diagram	TN-S, TN-C-S



Parameter	Value
Socket variant	Type 2 standard socket: 32A / 400V AC according to EN 62196-1 and VDE-AR-E 2623-2-2
Socket lock	Yes
The possibility of integration with the operator's system	OCPP v.1.6
Power cables	up to 35 mm <sup>2</sup> Al / Cu
Circuit breaker	4-pole 32A
Electronic residual current device function	30 mA
Main switch	40A 4 pole
Safety	Contains protecting RCD device, which disconnects the charger from the car if the electrical connection fails (by exceeding rated leakage currents of AC/30mA , DC/6mA)
Operating ambient temperature	-30 °C ~ +50 °C
Warranty	24 months
Standards	IEC 61851, IEC 62196 and IEC 61439