



LUMiCHARGER LP

LUMiCHARGER LP is EV charger with 2 connectors 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

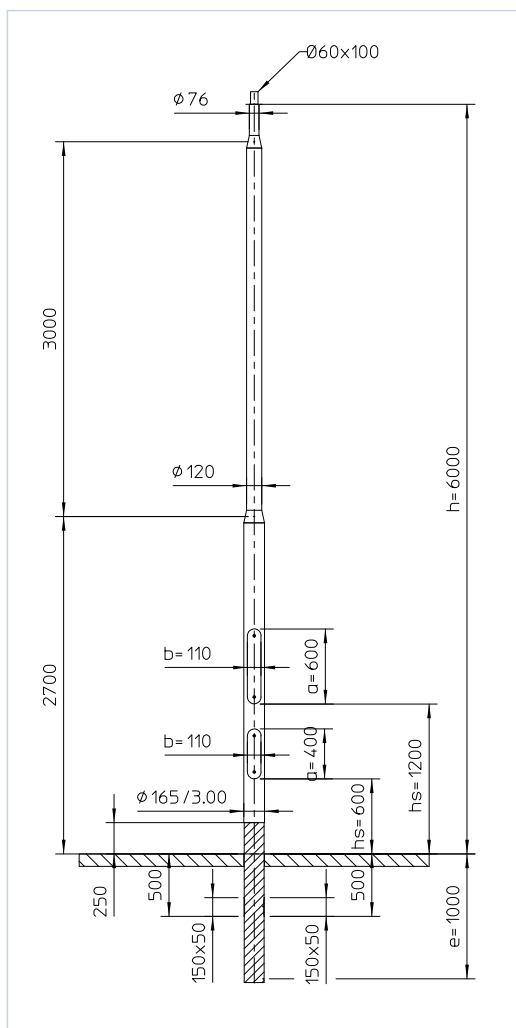
- ✓ Compatible with SEAK SMART CITY lighting control
- ✓ RS485 or Powerline communication (as required)
- ✓ EV charger sockets integrated into public lighting (Type 2, Mennekes)
- ✓ Pole height from 3 to 8 metres (as required)
- ✓ Dual-insulated or single layer aluminium (as required)
- ✓ Authentication variability - RFID, QR code, Smart phone via [chargeme.online](https://www.chargeme.online)
- ✓ Optional contactless payments

Ordering code

Power line communication - LMCHLPPPL**** (add from table)
RS485 communication - LMCHLPRS**** (add from table)

| Insulation/ Height | 3m | 4m | 5m | 6m | 7m | 8m |
|---------------------|------|------|------|------|------|------|
| AI - Dual-insulated | ND23 | ND24 | ND25 | ND26 | ND27 | ND28 |
| AI - Single Layer | ND13 | ND14 | ND15 | ND16 | ND17 | ND18 |

| Parameter | Value |
|----------------------------|---|
| Input voltage | AC 3x230 V |
| Line frequency | 50 Hz |
| Maximum output current | 2x (3x32) A |
| Total maximum output power | 44 kW |
| Own consumption | max. 22 W |
| Communication interface | 2-way powerline QM-50-SSI3 (asynchro) or Modbus RS485 |
| Protection class | I. |



| Parameter | Value |
|---|---|
| Socket variant | Type 2 standard socket: 32A / 400V AC according to EN 62196-1 and VDE-AR-E 2623-2-2 |
| Protection type | IP65 |
| Charging access | RFID, App chargeme.online, 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 |
| Socket lock | Yes |
| The possibility of integration with the operator's system | OCPP v.1.6 |
| Power cables | up to 35 mm ² Al / Cu |
| Electronic residual current device function (RCD-PD) | leakage currents AC 30mA , DC 6mA |
| Material of column | Aluminium |
| Operating ambient temperature | -30 °C ~ +50 °C |
| Warranty | 24 months |
| Standards | IEC 61851, IEC 62196 and IEC 61439 |