

Tailored Innovations

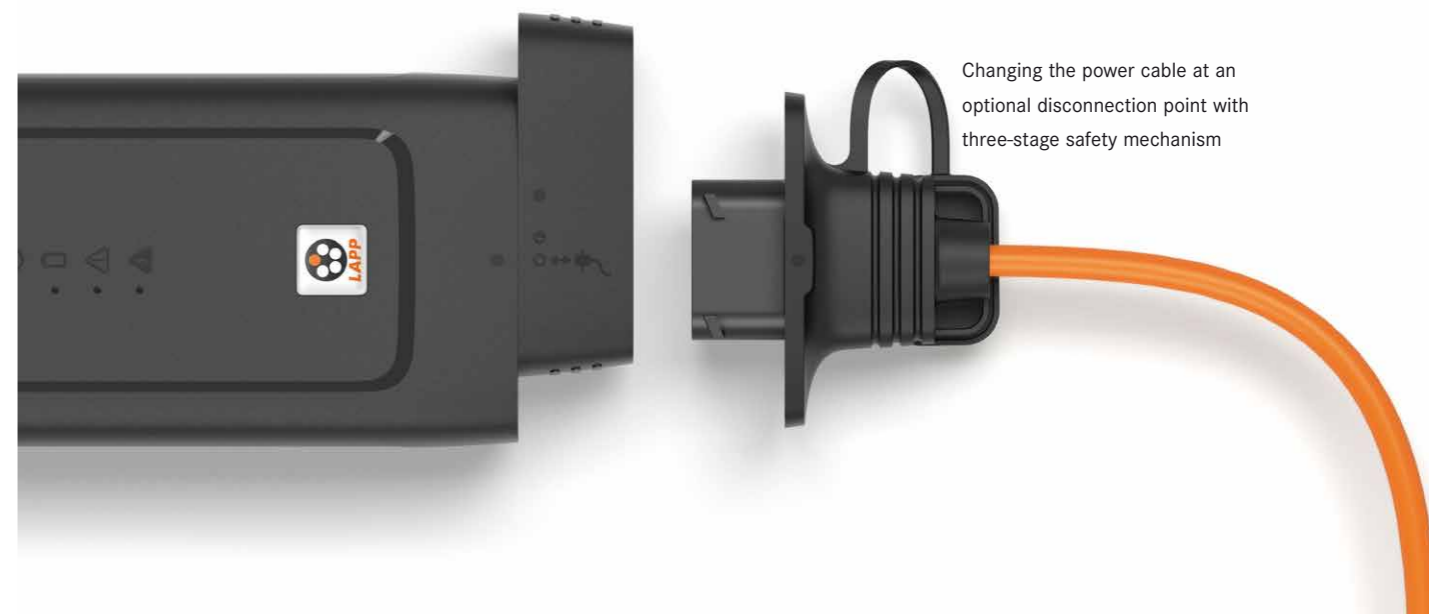
Mode 2 charging cable



INNOVATIONS MADE BY LAPP

>> MODE 2 CHARGING CABLE CERTIFIED WORLDWIDE

Wallbox light and portable charging station – the new Mode 2 charging cable from LAPP is both. With a wall holder for the garage wall, it replaces an expensive wallbox and is always on hand as a mobile charging station in your boot – anywhere in the world.



WORLDWIDE FLEXIBILITY

- Charging at any household socket around the world possible:
The power cable can be disconnected at an optional disconnection point on the control box (IC-CPD) and replaced with country-specific variants.
- With a 32 A power cable (e.g. CEE connector), quick charging with alternating current is possible up to 11 kW.
- On the vehicle side, the control box is equipped with either a type 1, 2 or GB coupling (32 A 1-phase or 16 A 3-phase).

POWERFUL

- Charging possible with 32 A single-phase and 16 A three-phase (powers up to 11 kW)

SAFE

- Certified worldwide (UL/IEC/CQC)
- One of the first Mode 2 charging cables on the market to fulfil IEC standard 62752
- Maximum safety through integrated differential current sensor for AC and DC
- Temperature sensors in power connector and control box: Detection of impermissible heat build-up, reduction of charging current and interruption of the charging procedure if the permissible temperature is exceeded.
- A three-stage safety mechanism prevents the disconnection point from being opened under load
- Water-tight (IP 67 when closed)
- Rollover safe

USER-FRIENDLY

- 100% user-friendly: Simply plug in. Current does not need to be adjusted.
- Automatic detection of the maximum charging current through coding in the power cable.
- The charging procedure is fully automatic and is ended as soon as the battery is charged.

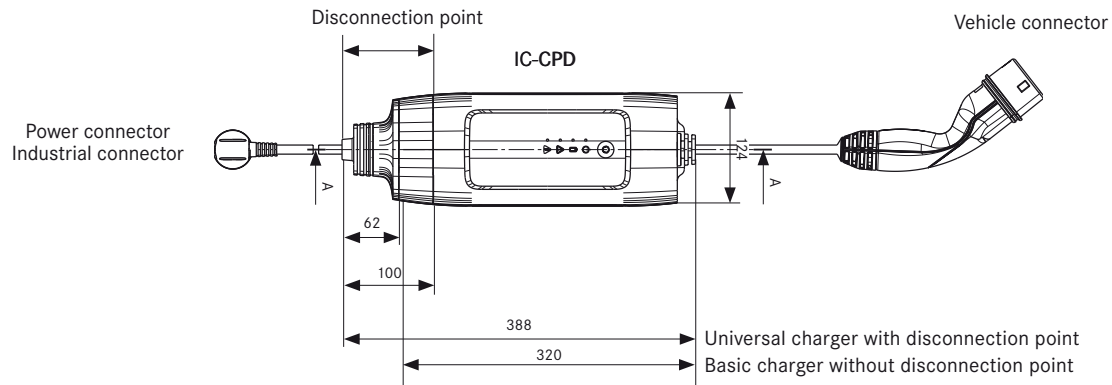
SMART

- Functions such as monitoring of charge status and electricity costs in future via smartphone app

ELEGANT

- Nominated for the German Design Award 2018
- Unique design: Variable colour of cable and connector

LAPP CHARGE · MODE 2 CHARGING CABLE



Variants

| | |
|--------------------------------|--|
| Basic charger | Without disconnection point – vehicle cable and power cable hard-wired with IC-CPD |
| Universal charger | With disconnection point – exchangeable power cable |
| Vehicle connector | Type 1 (SAE J1772) Type 2 (IEC 62196) Type GB (GB/T 20234) |
| Power connector 8A - 10A | Types EF, G, H, J, K, L, M, N, B (US), I (China), I (AUS/NZ) |
| Industrial connector 16A - 32A | CEE 230V 16A, CEE 400V 16A, CEE 230V 32A, NEMA 14-50, YP-41 (Japan) |

Properties

| | |
|-----------------------|--|
| Operating temperature | IEC -25 °C to +45 °C, UL -30 °C to +40 °C |
| Protection class | IP 67 and 3R |
| Dimensions | |
| IC-CPD Basic | 320 x 124 x 84 mm |
| IC-CPD Universal | 388 x 124 x 84 mm |
| Weight | |
| IC-CPD Basic | approx. 1.3 kg |
| IC-CPD Universal | approx. 1.5 kg |

Electrical data

| | |
|--|---|
| Charging power | 1-phase 16 A → 3.6 kW 1-phase 32 A → 7.3 kW 3-phase 16 A → 11 kW |
| Nominal voltage | 110 – 240 V |
| Mains frequency | 50 – 60 Hz |
| Residual current circuit breaker (RCD) | Type A ≤ 30 mA AC, ≤ 6 mA DC |
| Safety functions | <ul style="list-style-type: none"> • Self-test • Monitoring of CP communication • Monitoring of protective conductor • Relay monitoring • Detection of overcurrent, undervoltage, overvoltage • Temperature monitoring IC-CPD • Temperature monitoring Power connector |

EU Directives, Standards

| | |
|------------|---|
| 2014/35/EU | Low Voltage Directive |
| 2014/30/EU | Electromagnetic Compatibility Directive |
| 2011/65/EU | RoHS |
| IEC 61851 | Electric vehicle conductive charging system |
| IEC 62752 | In-cable control and protection device for mode 2 charging of electric road vehicles (IC-CPD) |
| UL 2594 | Electric Vehicle Supply Equipment |
| GBT 18487 | Electric Vehicle Conductive Charging System |

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