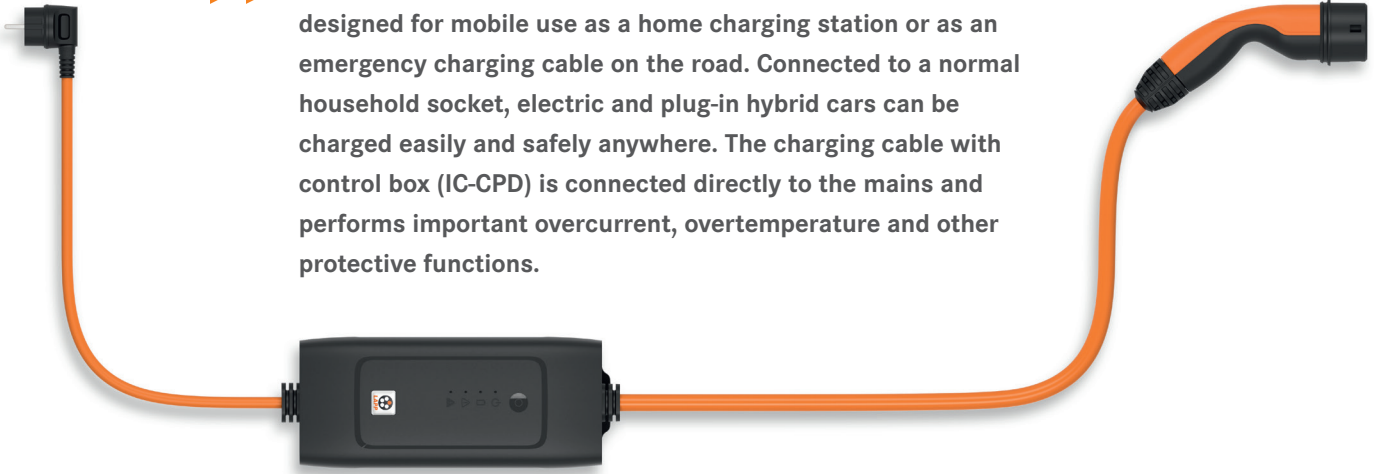


MOBILE CHARGING STATION

MODE 2 CHARGING CABLE, 8A 1-phase, 6m
FOR CHARGING ELECTRIC AND HYBRID CARS



THE MOBILE CHARGING STATION FROM LAPP is specially designed for mobile use as a home charging station or as an emergency charging cable on the road. Connected to a normal household socket, electric and plug-in hybrid cars can be charged easily and safely anywhere. The charging cable with control box (IC-CPD) is connected directly to the mains and performs important overcurrent, overtemperature and other protective functions.



ADVANTAGES AT A GLANCE

- Home charging station and mobile emergency charging cable for use with standard household sockets
- 100% user-friendly. Simply plug in. Current does not need to be adjusted.
- The charging procedure is automatic and ends as soon as the battery is fully charged
- Ergonomic solid connector/coupling design
- Complies with all relevant VDE and IEC product requirements
- Robust design
- Control box protection type IP67
- Rollover safe

ELECTRICAL DATA

- Nominal voltage range 110-240V
- Nominal current 8A
- Frequency 50-60 Hz
- Fault current circuit breaker (RCD) $\leq 30\text{mA AC}; \leq 6\text{ mA}$

KEY FEATURES

- Robust and fall protected housing design with additional bonding PA6-GF25 with 4-6mm wall thickness
- Mounting hook on housing
- Housing with LED status indicator
- Housing with sealing membrane for pressure compensation
- Also available with CEE blue 230V/16A/1ph for charging capacity up to max. 3.7KW and additional country-specific power connectors (type G, J, K, I)

SAFETY FUNCTIONS

- Self-test on start
- Leakage current detection
- Charge monitoring with communication to vehicle
- Protective conductor monitoring (not on IT version)
- Relay monitoring
- Overcurrent detection
- Over and undervoltage detection
- IC-CPD temperature monitoring
- Power connector temperature monitoring (country-specific)
- Control box protection type IP67
- Rollover safe
- Fall protection
- Halogen-free
- Flame-retardant
- Oil-resistant
- Ambient temperature -25°C to $+45^{\circ}\text{C}$

INCLUDED IN DELIVERY

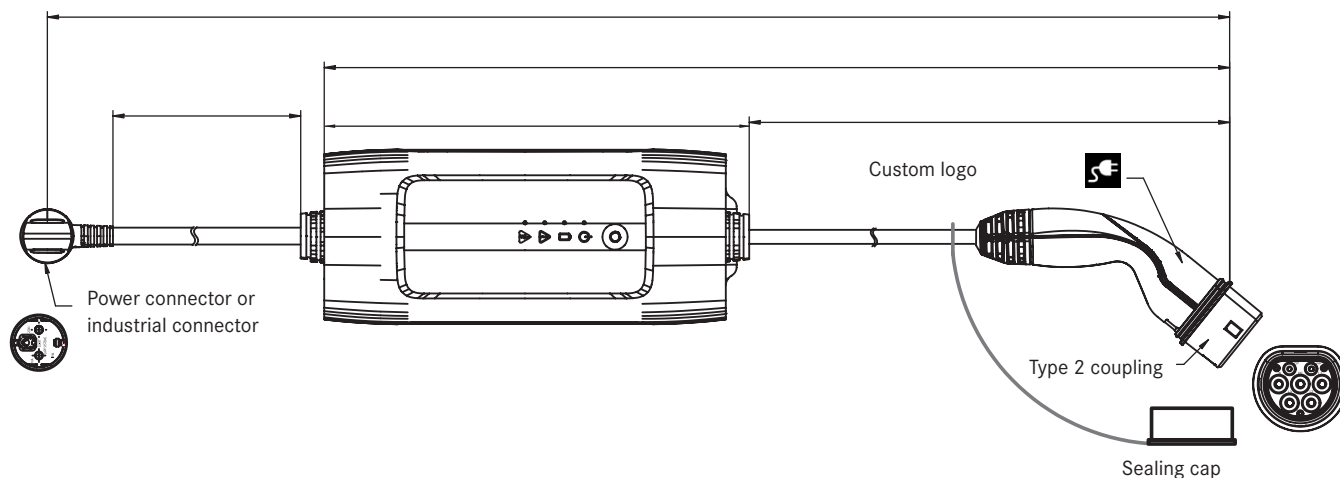
- Mode 2 charging cable, IC-CPD control box, shockproof connector, type 2 coupling
- IEC 62752 certified by VDE
- Multi-language operating instructions

TECHNICAL INFORMATION

- Electrical equipment for electric vehicles design in compliance with IEC standards, charging system for electric vehicles (IEC 61851-1)
- In-cable control and protection device (IEC 62752)
- Power connector EF/shockproof (power connector charging current 8A)
- Vehicle connector (IEC 62196)
- Charging mode 2
- Protection class IP44
- Transmission of charging currents up to 8A. This allows charging procedures up to 1.84kW
- Total length: 6m
- Weight 2.65kg
- Control box dimensions (IC-CPD): 320 x 124 x 84mm

DATA SHEET MOBILE CHARGING STATION

ITEM NO.: 5555921002 · TYPE: MODE 2 BASIC LC M2B EF EN 8AT IEC 16A 1P T2C EN 6000



Cable properties

| | |
|--------------------|--|
| Cable design | Smooth |
| Cable construction | ÖLFLEX® CHARGE 3G 2.5 mm ² + 0.5 |
| Cable designation | LAPP Kabel Stuttgart ÖLFLEX® CHARGE EVC 750/450 VAC EN 50620, cable colour basalt grey |
| Cable construction | PP extruded D 10/mains cable D 9.7mm +/- 0.30mm |

Connector/coupling

| | |
|-----------------------------------|---|
| Type 2 coupling | Power contacts (L1, N, PE) 240V-415V |
| Shockproof EF type connector | Contacts (L1, N, PE) max. 250V AC with NTC temperature monitoring/ protection type IP44 |
| Coupling signal contacts | 2A (CP, PP) 30V DC |
| Coupling contact surface | 5-6µm Ag coated |
| Isolation voltage | 500V |
| Coding resistor between PP and PE | 220 Ohm +/- 1%; 1W |
| Contact resistors | Improved electrical design due to additional soldering |
| Connector/coupling design | Design line |
| Connector/coupling materials | Hard component PA |
| Coupling logo | LAPP e-Mobility |
| Type 2 coupling cap | Protective cap with Velcro |
| Maximum charging current | 8A 1ph AC IT mains side |
| Coupling colour | Orange/black |

General properties

| | |
|----------------------------|---|
| Coupling protection rating | IP44 with protective cap; IP24 without protective cap |
| Coupling standard | IEC 62196-1; IEC 62196-2 |
| Approvals | VDE certified and CE compliant |
| Directives | 2014/35/EU (Low Voltage Directive), 2011/65/EU (RoHS) and 2015/863/EU. IEC 61851, IEC 62752 |



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