

Press release

MOBILITY DOCK saves weight, space and costs

LAPP Mobility presents an innovative charger for household sockets



LAPP's MOBILITY DOCK:
The charger for household sockets

Stuttgart, 6 August 2021

Electric car drivers often need several types of charging cable to charge their vehicle at the sockets available in different cases. There is a simpler way: The team at Lapp Mobility GmbH, a LAPP corporate start-up, have now developed the MOBILITY DOCK. This is a new, space-saving charger that, in combination with any type 2 charging cable, enables charging at a standard household socket. The innovation will be presented for the first time at LAPP Mobility GmbH's stand at the IAA MOBILITY 2021 (Hall A1, Stand A91) in Munich from 7 to 12 September.

"The MOBILITY DOCK completely fulfils the function of a mobile charging station, but requires much less space in the boot," says Frank Hubbert, Managing Director of Lapp Mobility GmbH, describing the new product. The communication between MOBILITY DOCK and the vehicle takes place via a control device integrated into the charger, which sets the charging current up to a maximum of 10A and also monitors the charging process. This achieves a charging power up to a maximum of 2.3 kW and the setting is made automatically. The device monitors the device temperature and the temperature at the Schuko plug socket. If an increased temperature is detected on the power connector, the charger automatically regulates the charging power to prevent overheating. Another protective function for the user is earth conductor monitoring as well as the detection of direct current and alternating current errors in the charger. This type of DC and AC errors are detected and protected up to

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6mA DC and 30mA AC. The MOBILITY DOCK is CE compliant and developed and tested in compliance with the device standard in accordance with IEC62752.

To start the charging process, the mode 3 charging cable is inserted into the type 2 socket of the MOBILITY DOCK. The MOBILITY DOCK with inserted charging cable is then plugged into the Schuko plug socket it's time to get started. An LED shows the device status. All components are completely stable and fixed securely. To provide support on the building wall, there is a support integrated on the device. This is unlocked by pressing a push button. This allows the support to be finely adjusted on the building wall. The inserted mode 3 charging cable is locked by a mechanism on the housing and can be unlocked using the release lever on the rear. This means that the mode 3 charging cable can be removed from the charger again with little effort.

Thanks to the type 2 socket integrated in the housing, the MOBILITY DOCK is compatible with the European charging cable standard and can therefore be used on all electric and hybrid cars in Europe. The housing of the MOBILITY DOCK is protected against jet water (IP55) and is designed for falling from any position from a height of 1 m. With its weight of approx. 730g and a size of 255x135x105 mm, the installation space and weight of the MOBILITY DOCK are optimised. The device can be stored in the boot, loading floor or in the side pockets of the vehicle to save space. The cap for the type 2 socket also protects the charger against contamination.

But it's not just the functionality of the MOBILITY DOCK that is impressive, but also its design. As part of the competition for the German Design Award, the MOBILITY DOCK was nominated in the Excellent Product Design category by the German Design Council. In October 2021, the winners of the award will be announced, for which the aim is to design products for the highest customer requirements.

Officially, the MOBILITY DOCK will be available as of March 2022 and can be ordered from the LAPP MOBILITY online shop (www.lappmobility.lappgroup.com/shop) among other places.

More information can be found at www.lappmobility.com

You can find the image in printable quality [here](#)

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You will find further information on this topic here:

<http://www.lappkabel.com/press.html>

About LAPP:

With its headquarters in Stuttgart, Germany, LAPP is a leading supplier of integrated solutions and branded products in the field of cable and connection technology. The company's portfolio includes standard and highly flexible cables, industrial connectors and cable entry systems, customised system solutions, automation technology and robotics solutions for the intelligent factory of the future, as well as technical accessories. LAPP's core market is in the industrial machinery and plant engineering sector. Other key markets are in the food industry as well as the energy and the mobility sector.

LAPP has remained in continuous family ownership since it was founded in 1959. In the 2019/20 business year, it generated a consolidated revenue of 1,128 million euros. LAPP currently employs approximately 4,575 people across the world, has 20 production sites and around 43 sales companies. It also works in cooperation with around 100 foreign representatives.



www.lappkabel.com

