

Press release

Stuttgart, May 14, 2024

MAHLE battery diagnostic solution E-HEALTH Charge successfully launched in Europe

- Fastest static battery diagnosis currently available on the market
- The product consists of the E-CHARGE 20 battery charger and the E-HEALTH app
- The solution provides reliable information about the state of health and performance capability of the high-voltage battery
- The process functions regardless of vehicle make and model
- No prior knowledge is required thanks to the automated process
- Can be used purely as a DC charger in addition to the diagnostic function
- Head of MAHLE Aftermarket Philipp Grosse Kleimann: “We’re equipping repair shops for the future.”

MAHLE Aftermarket has successfully introduced its battery diagnostic system E-HEALTH Charge to the European market. E-HEALTH Charge delivers reliable reports on the state of health and performance of electric vehicles’ high-voltage batteries. With a maximum run time of 15 minutes, this system represents the fastest static battery diagnostic technology on the market. The diagnostic system – consisting of the E-CHARGE 20 battery charger and the E-HEALTH app – combines charging and battery diagnostics into one workflow. The process functions regardless of make and model. E-HEALTH Charge can also be used purely as a DC charger in addition to the diagnostic function. Thanks to the automated process, the system requires no prior knowledge from the service team.

“The demands on workshops are becoming more diverse. Battery electric drives, hybrids, internal combustion engines and hydrogen drives will form the drive mix of the future. With this newest addition to our BatteryPRO product line, E-HEALTH Charge, we are equipping independent workshops for the future and positioning ourselves even stronger as their partner,” said Philipp Grosse Kleimann, Member of the MAHLE Management Committee and Head of the Aftermarket business unit.

This new solution – developed by the service and spare parts division of the international automotive supplier MAHLE – delivers inspection agencies, fleet operators and workshops a higher degree of transparency when determining

battery quality and vehicle value. This is due to the fact that the biggest cost factor for electric vehicles – one which has been historically difficult to evaluate, as it is influenced by numerous external factors – is the life expectancy of the high-voltage battery. Thanks to E-HEALTH Charge, this valuable information is now available to everyone.

“With our battery diagnosis solution E-HEALTH Charge, we are pushing the boundaries of battery diagnostics and helping workshops to secure additional business volume beyond the internal combustion engine,” said Georges Mourad, Director Global Service Solutions at MAHLE Aftermarket.

One component of the E-HEALTH Charge system is the E-CHARGE 20 battery charging device. With an output of 20 kW, this device can – independent of the diagnostic function – also serve as a fully-functioning charger for electric vehicles. MAHLE has already delivered the charger in Italy, Portugal, Serbia and Poland, with Germany and the Netherlands to follow.

Thanks to the E-HEALTH Charge battery diagnosis, mechanics can quickly and easily determine the state of health of high-voltage batteries with minimal effort. The diagnosis is performed upon stationary vehicles. The vehicle’s battery is simultaneously charged during this process.

For the evaluation of the data – collected from both the charging device as well as the vehicle’s OBD-Port – MAHLE works in cooperation with volytica diagnostics. The battery specialist uploads the data to a secure cloud, analyzes the values relative to those from batteries of the same type, and finally compares the results against the original capacity of the vehicle model. The final report is made available by email soon afterwards.

Note for journalists: This press release and accompanying photo material are available in the MAHLE Newsroom at: <https://newsroom.mahle.com/press/en/>

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Battery diagnostic solution E-HEALTH Charge: The innovative way to determine the state of health of the high-voltage battery.



The final report integrates both data from the charging device as well as information from the OBD port.

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About MAHLE

MAHLE is a leading international development partner and supplier to the automotive industry with customers in both passenger car and commercial vehicle sectors. Founded in 1920, the technology group is working on the climate-neutral mobility of tomorrow, with a focus on the strategic areas of e-mobility and thermal management as well as further technology fields to reduce CO2 emissions, such as fuel cells or highly efficient, clean combustion engines that also run on synthetic fuels or hydrogen. Today, one in every two vehicles globally is equipped with MAHLE components.

MAHLE generated sales just under EUR 13 billion in 2023. The company is represented with approx. 72,500 employees at 148 production locations and 11 major research and development centers in more than 30 countries. (as of 31.12.2023)

#weshapefuturemobility

About MAHLE Aftermarket

MAHLE Aftermarket, the business unit specializing in spare parts, uses the expertise from original equipment series production for its product range and supplies partners in the trade, workshops, and engine repair shops. The products developed by the MAHLE Service Solutions business segment for workshop equipment, as well as comprehensive services and individual training offers, round out the offer. MAHLE Aftermarket operates out of more than 30 locations around the world and has additional sales offices with more than 1,900 employees. In 2023, the business unit recorded a sales volume of more than EUR 1.25 billion globally (as of 31.12.2023)