



Power under the seat

LIONTRON®, the expert team for mobile energy solutions in recreational vehicles, exclusively presents the world's most powerful under-seat battery and a new LED touch display solution

Words Peter Hirtschulz

The German company LIONTRON® is known for its leading market position in LiFePO4 batteries. These batteries are a fully-fledged lead-acid battery replacement with all the advantages of lithium iron phosphate technology: substantial weight reduction, enormous energy reserves and stable voltage even under extreme loads, with maximum service life. A 5-year manufacturer's warranty and a 10-year after-sales warranty for the individual parts of the battery make the product unique in the market.

World premiere: 300 Ah under-seat battery

The latest development from LIONTRON® is an under-seat battery with an output of 12.8 V and 300 Ah. With the new 12.8 V 300 Ah variant, LIONTRON® is pushing the limits of what is possible. This applies to both the power output and the dimensions of the battery, which now completely utilises the space underneath the seat. This power battery achieves the highest possible energy self-sufficiency for motorhomes. In terms of

performance, the new battery is designed for a 200 amp continuous draw and 250 amp (short-term) peak draw.

With the new 300 Ah under-seat battery from the LIONTRON® LX series, the company remains true to its innovative concept of developing battery systems for motorhomes with the lowest possible weight, extremely high performance and space-saving accommodation. LIONTRON® is one of the pioneers in under-seat batteries. For the first time, this concept was turned into reality in 2019. Previously, the 150 Ah and 200 Ah variants were offered. These batteries are not only particularly compact and flat, but the poles are also positioned for easy access. Another advantage is that the passenger seat does not have to be removed for installation. The battery is pushed under the seat from the front. This is not possible with the new Ah 300 version.

The dimensions are also flat and compact, but due to the complete and customised use of space, the seat must be removed for installation.

In general, LIONTRON® under-seat batteries are designed for all common Ducato seat variants, including members of the PSA Group such as Peugeot, Citroen and Opel.



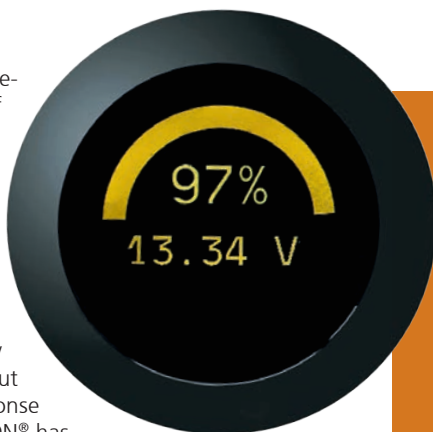


New separate, LED touch display solution

Until recently, customers preferred the APP-based display of battery values. However, the latest trend is that customers are increasingly asking for a separate, wired display solution. The reasons for the new trend are many, including fear of mobile phone radiation as well as greater convenience of being able to view data right on the spot without using a mobile phone. In response to customer demand, LIONTRON® has developed a new LED touch display that is relatively small but nevertheless clearly displays all data. The round display with a diameter of only a few centimeters shows the voltage (V), the current (A) and the state of charge (SoC). The SoC value indicates the still available capacity of a battery in relation to the nominal value.

The concept of the LIONTRON® batteries is as simple as the technical explanation described. All components of the LiFePO4 battery, such as the individual cells, the circuit boards and the battery management system (BMS) are screwed together and not soldered, riveted or welded. The great advantage of this design is that the battery can be converted or repaired at any time within a very short time with minimal effort. LIONTRON® attaches great importance to the environment and the avoidance of electronic waste.

A special component of the new display solution is an adapter board that is integrated between the BMS and the Bluetooth dongle so that the system can be used hybrid: On the one hand, with a wired display and, on the other hand, via Bluetooth using the LIONTRON®-Multi-APP, where up to four batteries can be displayed simultaneously. Because although demand for the wired solution has risen sharply, there is still a high proportion of APP users.



Strong like a lion

This is the slogan of the young company LIONTRON®, referring to the quality of its products as well as its market position. Founded in 2019, the company has become the market leader for lithium batteries in all performance classes within two years.

With a market share of 70 to 80 percent and currently almost 100,000 batteries sold annually, LIONTRON® is the qualitative and quantitative market leader in the field of lithium batteries. The young company now relies on the sales support of 1,200 sales partners throughout Europe - with an upward trend and the ambition of a global presence.

The basis for this development is not only high-quality lithium batteries in all classes up to high-end traction batteries for mobile use, but also other innovative mobile and stationary energy storage solutions. In doing so, the company pays particular attention to uncompromising quality and, when designing, to exemplary environmentally friendly and service-oriented product designs.

As an additional feature, a so-called multiplexer is being planned. With this external component, it is possible to display up to four batteries on the LED display. Furthermore, an interface is planned that will allow also other systems to be connected and used. Thus to read out the battery data, via an On Duty or Victron system, which can determine and visualise the battery level, for example. The aforementioned options were previously only possible via the APP.

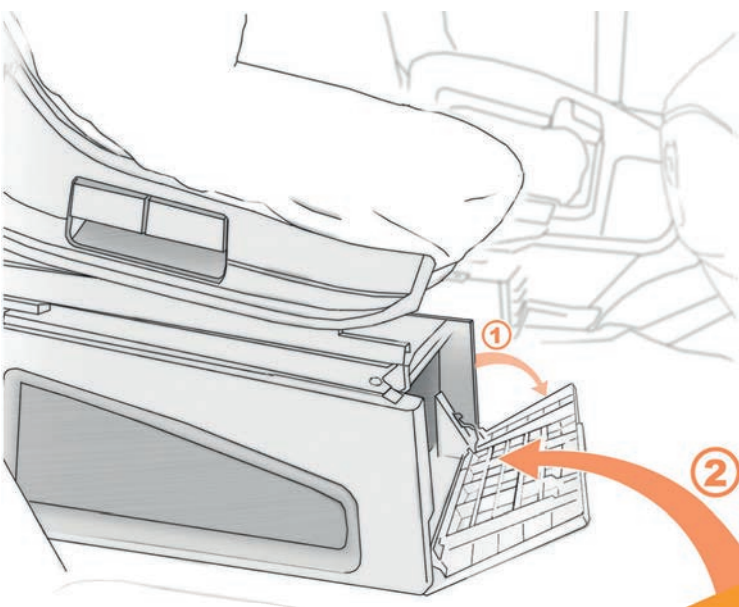
LIONTRON®, market leader in Europe

LIONTRON® has become the European market leader with its LiFePO4 rechargeable batteries, the lithium iron phosphate batteries, the very innovative technology associated with them and the exemplary, service-friendly and very environmentally friendly product and company philosophy. In figures, this means: with a market share of 70 to 80 percent and currently almost 100,000 batteries sold annually, LIONTRON® is the qualitative and quantitative market leader in the field of lithium batteries.

Even if manufacturers are still hesitant to install LIONTRON® batteries in their vehicles as original equipment, presumably for financial reasons, end customers have already recognised the advantages. The number of sales partners is also rising steadily throughout Europe. There are currently 1,200 LIONTRON® support points. LIONTRON® is particularly strong in Germany, Austria, Switzerland, the Czech Republic and the Netherlands. Since July, the network in France has been closely knit. But the development of LIONTRON® is also being followed with interest in the rest of Europe.

Interest will continue to grow when the two new products are expected to be launched on the market in spring 2022.

Anyone who wants to see the new under-seat battery generation and the LED touch display solution before the official market launch and exchange ideas with the developers will have the opportunity to do so from 15 to 23 January at CMT 2022, the major leisure and tourism trade fair in Stuttgart. LIONTRON® will be there in Hall 7, Stand F 42. Of course, the internet at www.liontron.com also provides information about the latest developments from LIONTRON®.



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