

Does cleantron offer a 36V battery module?

Cleantron has a 36V Basic Module (HP-Bike) available that can be customised towards your needs. For electric Cargobikes Cleantron develops and produces more powerful 48V Battery Modules giving the extra power (HP variants) or range (UHD variants) which is normally needed.

Where are cleantron batteries made?

Cleantron develops and produces Li-ion Battery Packs in Nieuw-Vennep, on bicycle distance of Amsterdam, The Netherlands. The Batteries of Cleantron are used in several markets, like Industry 4.0 (AGV's Yellow Goods); LEV's (e-Scooters/e-Motorcycles), Electric Vehicles (Urban Mobility) and the Automotive Sector.

What is cleantron battery module?

Cleantron has developed Battery Modules for Agricultural applications like e-tractors, farming feed robotics as well as specialist seed and harvest utility vehicles. Cleantron is specialist in fast charging and balancing algorithms for LTO Cells.

Can cleantron develop SIL2 batteries?

Particularly for Light Electric Vehicles like e.g. Micro Cars and last-mile Vehicles, as well as for batteries applied in electric Motorcycles, Cleantron can develop SIL2 tailored batteries. The Cleantron development and production process is ISO 9001 and ISO 14001 certified. Cleantron is currently applying for IATF 16949.

Can cleantron produce a battery?

Cleantron develops Batteries with the clear objective to produce the developed Battery designs. Alternatively, (in some cases e.g. in the Automotive Sector) we are willing to produce "Build-to-Print" Batteries. This concerns then Battery Prototypes as well as Series Product for Automotive Niche applications (Motorsport, special LCV and Luxury).

Does the cleantron circular have a split battery management system?

In addition to its repairability, the Cleantron Circular is equipped with a split Battery Management System. This dual system divides safety and application. Both PCBA components are interchangeable, as they are not welded nor glued within the battery.

The exhibition, to be held in Amsterdam, the Netherlands, June 21, 22, 23, 2022, is dedicated solely to showcasing the very latest and next-generation electric and hybrid marine battery and electric propulsion technologies and solutions.

Cleantron introduces the High Power Multi Pack Configuration (HP MPC) technology to the world of Urban Mobility and Last Mile Logistics. This innovative dual battery system, with a Fixed Battery in the Vehicle for

optimal Power and compact light Portable Battery Cartridges for Range, offers unique independency on Charging Infrastructure and an extended lifetime. Read [...]

Discover Cleantron's Batteries development in compliance with Functional safety; IEC 61508; ISO 13849 / Automotive Applications: ISO 26262. Skip to the content. Search. ... Cleantron can analyze your battery related problems and develop ...

Battery management systems and switch boxes are also integrated within the pack ensuring fully self-contained energy storage systems. Packs are adapted to operate faultlessly in the environmental conditions required by different systems or whatever the application: trains, buses, vessels and other electric vehicles; industrial; and grids ...

Update: Meet Cleantron on November 30th - December 2nd 2021 at The Battery Show Europe, so you can see Cleantron's latest innovations. Battery Innovations like Fast Charging Solutions, Advanced Battery Modularity and Multi Pack Configurations for Parallel Discharge. Next to that Cleantron will present a new Battery Use Concept called High Power MPC.

Cleantron is facilitating and supporting a major transformation in urban mobility by investigating battery-swapping technologies for small electric vehicles, such as city cars and light motorcycles. The Cleantron CLP is a lightweight and compact Battery Module specifically designed for quick and effortless manual battery exchange, also known as "Battery Swapping". Find out RAI ...

Wenn die Lithium-Ionen-Zellen deines Cleantron 36V 11Ah Fahrradakkus von Van-Raam verschlissen sind, ist es an der Zeit für einen Zellentausch, um die ursprüngliche Leistung wiederherzustellen. Zusätzlich bietet dieser Zellentausch die Möglichkeit einer Kapazitätserhöhung, was bedeutet, dass du in der Zukunft längere Strecken zurücklegen und ...

Cleantron Circular. The innovation of the Cleantron Circular lies in its repairability, leading to a significantly longer battery lifespan, and through that limiting the need for newly mined metals. This achievement is rooted in an ...

Cleantron is an independent, family owned, company and a high quality Battery producer with specialized engineering skills. Cleantron develops Batteries with the clear objective to produce the developed Battery designs. Alternatively, (in some cases e.g. in the Automotive Sector) we are willing to produce "Build-to-Print" Batteries.

Cleantron E-bike battery production implies the European standard regulations, EN 50604 to address their BMS and its safety aspects. In the context of batteries, this includes monitoring the charging, discharging, ...

The robot can be used to fill different cell types like 18650, 21700 & 26650, different Battery Pack

configurations and even completely different Battery Pack models. This allows an optimal flexible production line that can make multiple Battery with short change over times.

Quick Battery Exchange or Opportunity Charging are the two most effective and common strategies to achieve the highest possible Uptime for an AGV. Cleantron is specialist in (Ultra) Fast Charging and Balancing Algorithms for LTO Cells. Cleantron has a 48V LTO basic Modul available (Cleantron L5), that can be customized to customer specifications.

Cleantron has designed the portable component in such a way that as much energy as possible (2 to 2.5 kWh per battery) is generated by batteries that are as light and compact as possible.

Discover Cleantron's Batteries development in compliance with Functional safety; IEC 61508; ISO 13849 / Automotive Applications: ISO 26262. Skip to the content. Search. ... Cleantron can analyze your battery related problems and develop the most appropriate test for your application. We can have the tests executed in-house or in collaboration ...

Cleantron E-bike battery production implies the European standard regulations, EN 50604 to address their BMS and its safety aspects. In the context of batteries, this includes monitoring the charging, discharging, and general health of the battery. It works to assure safety by constantly monitoring factors such as voltage, current, and ...

At Cleantron the focus for Battery Management is on advancing the way we understand the Data that is gathered from the Cells. By developing smart algorithms, that understand what is sensed by the sensors in the BMS, the strategy for managing the Battery Cells can be chosen more suitably. These sense making approaches trace back to our extensive ...

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