

Battery Recycling

Pack and Module Discharging



Fast & Efficient Battery Discharging

Fast and efficient solution for the industrial and scalable discharging of used batteries supporting state of the art plant concepts.

By discharging, the batteries are prepared to be dismantled or crushed, increasing worker safety and process reliability.

The discharging process is continuously monitored by a specific monitoring array and diagnosis software.

With a voltage range up to 1000 V, a DC current range up to 200 A, and a max DC power of 140 kW the solution can cope with a wide range of batteries.

The energy is recuperated and can be used for the operation of the line or fed back into the grid (additional requirements may apply).

The system is suitable for a process validation and printout of labels or further optional digital twin based Track & Trace functionalities like automatic mass balance calculation.

Advantages at a glance



DC voltage up to **1000 V**,
DC current up to **200 A**,
DC power max. **140 kW**



Focus onto **speed, safety and efficiency**



No BMS access required



Complete discharging of packs and modules



Energy recuperation



Monitoring array for **emergency concepts**



Intuitive HMI for quick and reliable operation

Components of the Solution Set



Bosch Rexroth **Battery Recycling Software Suite** for convenient and up to date recycling processes and data transparency



The **ctrlX automation platform** from Bosch Rexroth manages all processes and tasks and is a flexible gateway to other systems

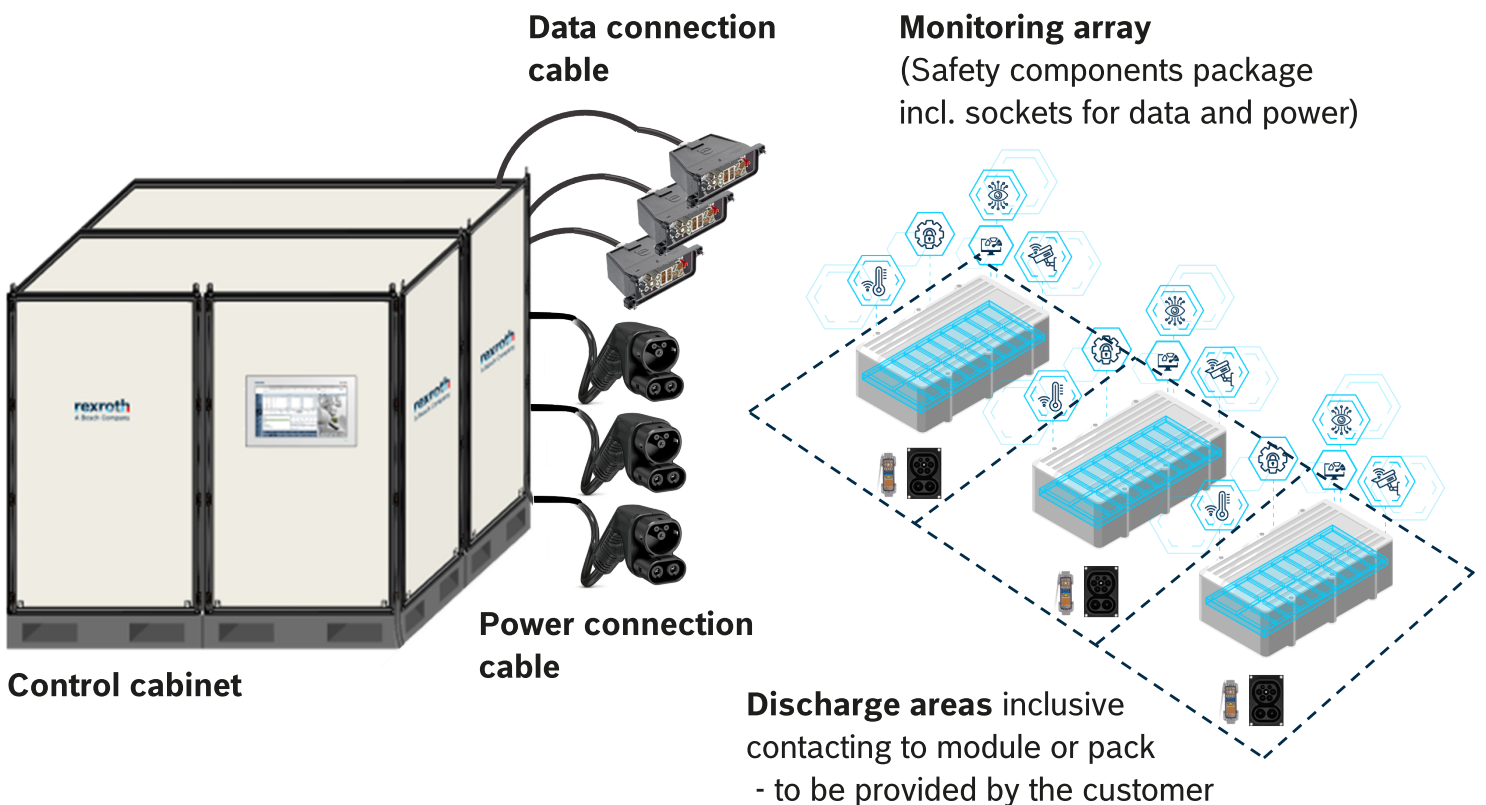


Patented **high speed discharging** based on Bosch Rexroth **drives technology** incl. **emergency safety concept**



Bosch Rexroth **aluminum profiles** and **EcoSafe protective fence components** are flexible and ensure compliance and safety

System Overview



Contact our Team

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