RECKELBERG
ENVIRONMENTAL TECHNOLOGIES

BATTERY DISCHARGE: EFFICIENT RECYCLING

RET Reckelberg Environmental Technologies
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TARGETED RESIDUAL DISCHARGE OF BATTERIES

Fewer hazards, better energy balance

Reduce risk factors and make energy and raw materials usable again.

At RET, we know that only a battery that is completely discharged before recycling guarantees operational and process reliability and optimum product quality. That is why all our discharge technologies are based on the latest and safest high-voltage discharge technology for Li-ion battery storage units, modules and cells. The discharge capacity of the system is freely definable and can return power from the batteries to the local grid with high efficiency. This means a direct reduction in consumption, e.g. for your production and processes, while the completely discharged batteries reduce the potential risk for your employees and the subsequent recycling process.

BATTERY DISCHARGE: EFFICIENT RECYCLING

At Reckelberg Environmental Technologies, we are revolutionizing battery recycling with our advanced discharge technology. This modern solution is the most important first step in making batteries recyclable and sets standards in efficiency, safety and sustainability.

"With the delivered stationary system, the customer now has enough discharge capacity to supply the large-scale industrial process with batteries."

Norman Wenzel I Manager Research & Development

HIGHLIGHTS

- For batteries from electric vehicles and stationary applications
- Safety through deep discharge down to 0 volts
- Efficient energy recovery thanks to bidirectional design
- Freely selectable discharge depth of up to 1,000 V

VERSIONS

19-inch mobile rack

Compact, powerful and flexible. With our smallest version, we install the complete discharge technology in a 19-inch mobile rack. This version combines high performance with impressive flexibility and enables effortless use in different locations thanks to its practical, rollable design - without the need for a lot of personnel.

20 feet ISO container

Our container unloading system is specially designed for larger requirements. Each 20-feet container is fully equipped with our advanced discharge technology, pre-wired and ready for immediate use. They can be set up inside and outside buildings, have independent air conditioning and are protected against the ingress of dust and water.

Workstation design

We integrate our advanced discharge technology seamlessly into your on-site electrical plant room to ensure optimum performance and safety. We also equip your existing production hall with user-friendly touch control panels and specialized connection points that are installed at fixed workstations.

BEST OPERABILITY

We equip all discharge units with digital controls to make your work easier. The touchscreen-based control system enables all discharge parameters to be clearly adjusted and controlled. The operator can create parametric recipes for discharging and diagnosing various battery systems and save the recorded log data. The discharging systems are designed for seamless integration into the incoming inspection and dismantling of battery systems.

FLEXIBLE DISCHARGING

All RET discharge versions are based on the latest and safest high-voltage discharge technology for Li-ion battery storage systems, modules and cells. The discharge power of the system is freely definable via the number of channels installed and their power at different voltage levels. In installations with many channels, each individual channel can be operated completely independent of all others. Thanks to the fundamentally bidirectional design, our discharge variants can convert power with high efficiency from the batteries to the local grid and vice versa.

The intelligent sensor technology ensures precise monitoring and control of the discharging process, which optimizes safety and efficiency. The modular adaptability allows flexible application to different battery sizes and types, thus ensuring a wide range of applications.

DO YOU HAVE ANY QUESTIONS OR WOULD YOU LIKE TO FIND OUT MORE?

MORE DETAILS & INFORMATION
ABOUT DISCHARGE

MORE DETAILS & INFORMATION
ABOUT DRYING

MORE DETAILS & INFORMATION
ABOUT SEPARATION

CONTACT

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