



Certified quality and safety

Special vehicles, material handling, transport and industrial equipment: applications place high demands on an energy storage system. Here, aentrons industrial batteries deliver full power on demand. Our technology enables a cost-effective, emissions-free alternative to other conventional solutions.

Numerous standards and certifications demonstrate our batteries’ ability to both suit demanding industrial applications i.e. 3 shift applications and maintain the highest safety standards.



aentron ENERGY SOLUTIONS

aentron specialises in the development and production of energy storage devices for maritime, industrial, e-mobility and building power storage applications. aentron power solutions are state-of-the-art, scalable, robust and safe lithium-ion battery-systems – Made in Germany.

For further information please contact: info@aentron.com.



E-Industry
energy solutions

Flexible, modular and robust



E-Industry applications

Flexible and powerful battery solutions to the highest industrial demands













E-Industry: robust and reliable

Companies in the construction, industrial, and logistics sectors depend on durable, powerful equipment to get the job done. No matter how challenging the conditions or application, industrial-grade equipment and special vehicles without mains electricity must on demand 24/7 operate reliably, efficiently and at full power. At aentron, we develop and manufacture robust and powerful battery solutions that reliably provide the power required, even in harsh environments. Our battery systems are engineered to withstand dust, dirt and extreme weather conditions as well as mechanical loads. They are also IP-66 certified for industrial applications.

The use of our battery systems in the industrial environment significantly reduces emissions in many areas. With aentron battery technology, industrial companies can use electrical energy to reduce diesel dependence, noise levels, and CO2 emissions during operation. Low maintenance and operating costs have a positive impact on total costs of ownership and enable significant savings potential.

E-Industry application scenarios

AUTONOMOUS GUIDED VEHICLES	STATIONARY CONSTRUCTION AND INDUSTRIAL EQUIPMENT	POWER SUPPLY FOR CONSTRUCTION SITES	INDUSTRIAL AND CONSTRUCTION EQUIPMENT	INDUSTRIAL AND CONSTRUCTION MACHINERY
1 - 2 kWh 48 Vdc	2 - 8 kWh 24/48 Vdc	10 - 150 kWh 48 - 400 Vdc	50 - 200 kWh 400 - 900 Vdc	200 - 500 kWh 600 - 900 Vdc
				
				

Innovative battery technology

- Dust and water resistant: IP 66
- Robust metal housing
- Fast charging capable
- Low and high temperature operation: -20°C to +60°C
- 360° mechanical integration
- Modular and scalable configuration
- Recycle- and reusable
- Safety: Integrated BMS
- Plug & play: Power at the touch of a button
- Made in germany



Scalable for customised energy solutions

aentron lithium-ion energy storage systems enable you to create modular and scalable battery solutions. We provide operating voltages from 24, 48 Vdc up to 900 Vdc with capacities from 1 kWh to 1 MWh. Due to the aentron battery management system, all lithium-ion energy products can be combined with each other,

used as standalone or in conjunction with products from other manufacturers or customer solutions. aentron's certified and safe energy storage systems provide the highest level of flexibility for individual energy solutions.

HV-Energy System

1 - 900 Vdc



10 kWh Modul

R-Type Imax



2 kWh Modul

M-Type Imax
R-Type Imax
F-Type



1 kWh Modul

M-Type

