

A nighttime photograph of a city street. The street is illuminated by streetlights, and the buildings on either side are lit up. In the foreground, there are long, horizontal light trails from cars, suggesting motion. The overall scene is a vibrant urban night.

WE ELECTRIFY YOUR MOBILITY

INNOVATIVE LITHIUM TECHNOLOGY MADE IN GERMANY

AKKU
ENERGIE
SYSTEME

INNOVATIVE PRODUCTS DEVELOPED AND MANUFACTURED BY AES

We are the manufacturer of state-of-the-art battery systems and components for electric drives and energy storage systems. For more than 8 years, Europe's largest postal service provider has been relying on our innovations:
Today, we are the exclusive eBike battery supplier and optimize the performance of its high-performance cargo bike fleet in partnership.



The AES LiFePO₄ product line has been developed by our highly skilled engineers and is based on the safest and most profitable technology currently available for the e-mobility and logistics sector. Due to the high demand on the global market, we are expanding our portfolio and, since spring 2021, offering our ready- to -ship AES NMC eBike batteries available for immediate delivery.

KNOW HOW MADE IN GERMANY

We manufacture high-performance products according to highest industry standards, which are tested in practice by our customers and optimized down to the smallest detail.

From the AES Power Pack 48 V to our small, energy-rich AES eBike Battery Carrier 36 V. Choose your energy storage unit from our diversified range of products.

WE ELECTRIFY YOUR BUSINESS

For years we have been supplying Europe's largest postal service provider and pioneer in the field of last-mile delivery with our powerful and safe premium AES eBike batteries. Currently, over 40,000 AES batteries are in use every day.

You can also benefit from our expertise, the high efficiency and the safety standards of our products.

Contact us. Our specialists will work with you in a personal and solution-oriented cooperation-our experts always aim to find the best answer to any challenge.



SOLUTION ORIENTED AND PERSONAL

Energized for your success.
From planning and production to installation and repair.

As your active consulting partner, we advise you in the development, implementation and optimization of your last mile delivery projects. We identify potential sources of error and offer optimal solutions.

Take advantage of our vast experience and save money.



SYSTEM ANALYSIS AND INTEGRATION

Whether electric drive or stationary energy storage. We analyze your system - appropriate and comprehensively. For longer service life, freedom from faults and profitability.



DEVELOPMENT

From the idea to certification according to the highest industry standards for our own portfolio and on your behalf.



PRODUCTION

Whether in-house or customer systems and OEM products: in-dept „Made in Germany“ - innovative, reliable and economical.



REPAIR

Full service - our experienced employees solve every problem with the help of their craftsmanship and many years of experience assisted by the latest technology



SUPPORT

We support you in setting up your own production of lithium cells. Benefit from our professional competence.







EXPERIENCE UNLIMITED RANGE THANKS TO AES BATTERIES



Do you know what is really behind the high capacities and technical finesse of our AES batteries? Range... enormous range!

Did you know that your eCargo fleet can travel around the world 12 times with the help of our Power Pack? That's a whopping 420,000 kilometers! No wonder that the actual range of the energy storage units used is a decisive factor, when it comes to efficiency and economy.

Here you can find out how far you really can get with our AES batteries:

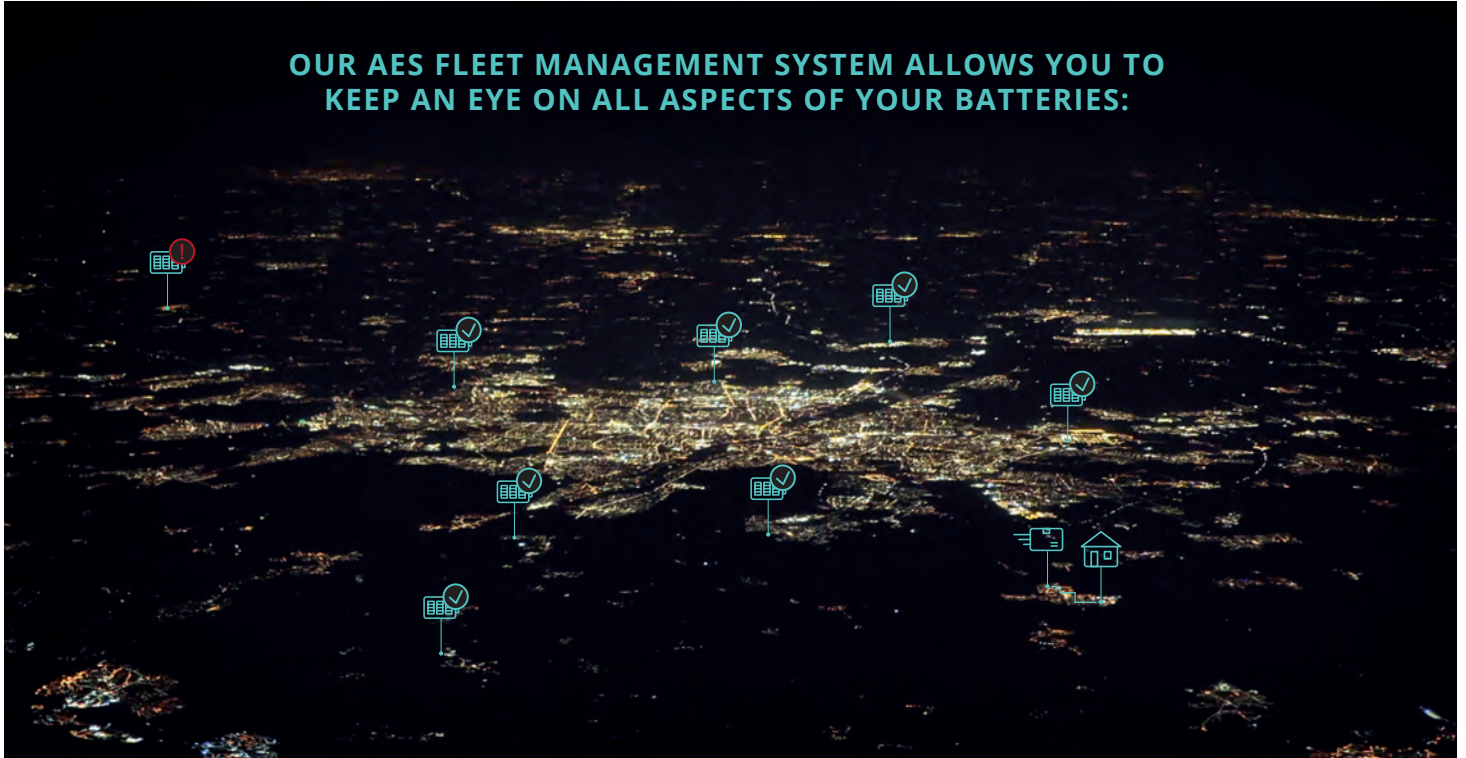
		
 CLASSIC LONGLIFE 36 V	300.000 km	180.000 km
CLASSIC HIGHPOWER 36 V	28.000 km	42.000 km
CLASSIC HIGHPOWER 48 V	32.200 km	47.600 km
 2.0 LONGLIFE 36 V	162.000 km	150.000 km
2.0 LONGLIFE 48 V	180.000 km	225.000 km
 CARRIER LONGLIFE 36 V		135.000 km
CARRIER LONGLIFE 48 V		105.000 km
CARRIER HIGHPOWER 36 V		31.500 km
CARRIER HIGHPOWER 48 V		22.400 km
 POWER PACK 36 V	300.000 km	
POWER PACK 48 V	420.000 km	

Measurement of all values under standard test conditions: Range with 1 full charge in km x life cycles full charges (3,000). eBike test setup: Bike weight: 25 kg, rider 60 kg, lazy riding: high support from the motor. eCargoTrike test set-up: heavy duty CargoTrike. 450 kg regular powered with 2 batteries and switchbox.

DETAILED INFORMATION ABOUT THEIR BATTERIES IN REAL TIME.

On the fast lane with our cloud-based IoT platform. We provide you live and all relevant information about the condition and location of your batteries.

OUR AES FLEET MANAGEMENT SYSTEM ALLOWS YOU TO KEEP AN EYE ON ALL ASPECTS OF YOUR BATTERIES:



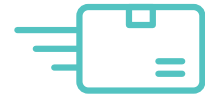
STATE OF HEALTH

- Charge state
- Load capacity
- Number of charging cycles
- Condition of the lithium cells
- Accident Prevention
- Creation of statistics



THEFT PROTECTION

- Set activity radius yourself
- Simply switch off the battery (optional)
- Locating the battery
- GPS replay function



TRACK AND TRACE

- Via IoT Tracking
- Planning of delivery routes

PLANNING REALIBILITY AND COST OPTIMIZATION WITH AES FLEETMANAGEMENT

The continuous analysis of the transmitted battery data is carried out via a mobile network. This way we optimize economy, security and enable service-oriented maintenance.



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