

BATTERIES SIMPLY SMART

POWER SUPPLY IN LINE WITH THE GERMAN
FILM FUNDING GUIDELINES



AKKU
ENERGIE
SYSTEME



YOUR RELIABLE PARTNER FOR LAST MILE DELIVERY OPTIMIZATIONS.

In the dynamic world of logistics, the last mile is often the most challenging and simultaneously the most important. As your dedicated consulting partner, we competently support you in the planning, implementation, and optimization of your Last Mile Delivery projects. With many years of experience and successful partnerships with leading logistics companies in Europe, we have refined structures, products, and processes to the highest level.

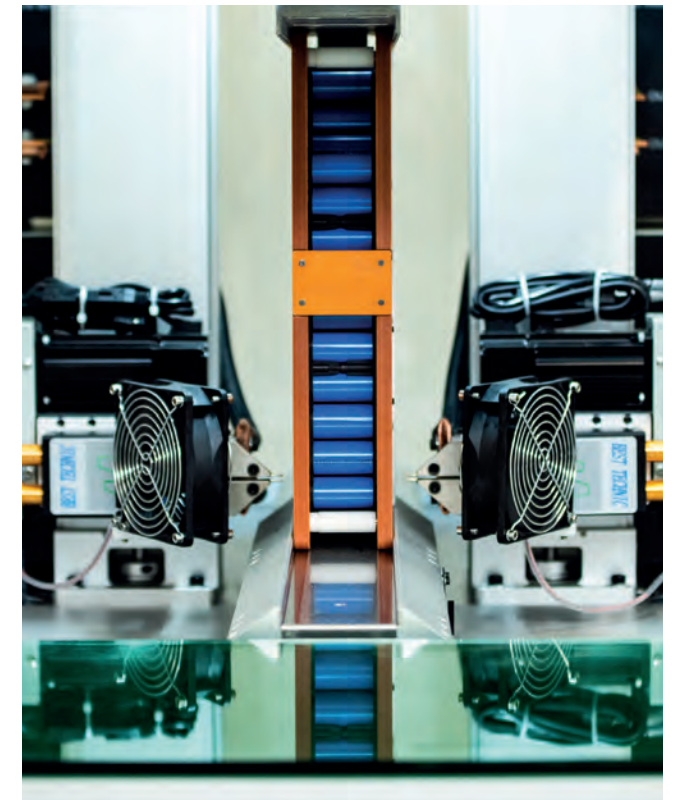
This success and our constant forward-looking approach have motivated us to also pursue innovative paths in the field of energy supply. In view of the global transformation towards renewable energies, we invested early in the development of storage systems. Today, we are proud that our product portfolio continues to grow and responds to the globally increasing demand for safe and durable storage systems.

The AES Akku Energie Systeme GmbH stands for expertise and innovation. Our diverse product portfolio is the result of intensive research and development. In this process, we always emphasize a partnership-based, solution-oriented collaboration with you. Our thriving goal: Your satisfaction and top-quality products. From the initial design through extensive certification processes to final production – we accompany every step with precision and passion.

INVENTIVENESS AT ITS FINEST INDUSTRIAL QUALITY.

Since 2012, the engineering team of AES, led by founders Lars Hillermann and Matthias Behlke, has been shaping the e-mobility industry. They develop, manufacture, and distribute products based on the LiFePO₄ cell technology, always with an eye on market needs and CO₂ reduction targets.

In doing so, quality is not compromised, and the products meet the highest safety and industry standards – all 'Made in Germany'



FUTURE ENERGY STORAGE SOLUTIONS – VERSATILE, RELIABLE, AND POWERFUL.

AES Akku Energie Systeme GmbH offers pioneering, versatile energy storage. Our robust storage systems are designed for demanding applications. In addition, we provide a comprehensive charging infrastructure and fleet management for the smooth operation of your energy assets.

Quality and reliability are our trademarks. With a complaint rate of only 0.1%, we set standards in the industry

YOUR GREEN TICKET TO FILM FUNDING.

Sustainability is gaining importance in the film industry.

Make use of the best technology and contribute to environmental protection.
With AES batteries, you have opportunities in film funding to also meet ecological aspects.

LITHIUM -IRON -PHOSPHATE – NOT WITHOUT REASON THE FIRST CHOICE.

Lithium iron phosphate (LiFePO₄), often abbreviated as LFP, is a variant among battery technologies that use lithium ions as charge carriers. Compared to other lithium-ion technologies, such as lithium cobalt oxide (LiCoO₂) or lithium manganese oxide (LiMn₂O₄), LFP offers numerous advantages. Therefore, the popularity of LFP has increased significantly in recent years.

- **SAFETY:** LFP batteries are thermally much more stable than other lithium-ion technologies, which greatly reduces the risk of overheating and thermal runaway, making it one of the safest lithium battery technologies available.
- **LONGEVITY:** they have a longer lifespan with more charge/discharge cycles before a significant loss of capacity occurs. For comparison: a nickel-manganese-cobalt battery offers 800 charge cycles with a remaining capacity of about 60%.

CHARGE-DISCHARGE CYCLES >1800 with 90% remaining capacity
>2500 with 80% remaining capacity.

- **NO HEAVY METALS:** AES LiFePO₄ cells contain no cobalt, manganese, or nickel, and less lithium than other cell types, making them more environmentally friendly and reducing the dependence on these expensive and often ethically questionable raw materials.
- **COST-EFFECTIVENESS:** The long lifespan and high reliability of LFP batteries significantly reduce your operating costs, making battery rental economically attractive over several years.

In summary, lithium iron phosphate offers a combination of safety, longevity, and environmental friendliness, making it an attractive choice for a variety of applications: storage systems for renewable energy, cargo bikes, and vehicles for „last-mile delivery,“ portable power supply for the film industry, in robotics and autonomous driving, for mobile IT as well as for modular and scalable storage systems, and much more.





AES BATTERY 2.0

MAXIMUM LIGHT OUTPUT, TESTED BY 711 RENT.

Are you also tired of your current battery solutions limiting the performance of your lighting systems?

With the AES battery 2.0, you switch to full power in every color spectrum. (While other batteries only provide up to 75% of the possible performance of your lights, our battery allows full utilization.) This means for you: more light, more efficiency, and more possibilities, no matter where, no matter when.

Don't settle for less and choose the AES battery 2.0 48V for your next project. We share the same goal as 711rent: to make your creative visions a reality. Challenge accepted!

KEY FEATURES

- Robust and safe (no thermal runaway)
- Extremely reliable with a possibility of quick charging
- Easier repair: Cells can be replaced individually
- Features a clearly readable LCD display: e.g., shows the charge state in percentage
- Can be flexibly installed on the vehicle vertically and horizontally
- Compatible with AES fleet management and CAN-Bus
- Color variants can be realized according to customer wishes
- Long lifespan, proven to be at least 2,500 charging cycles (equivalent to approx. 8 years with daily use)
- Cold-resistant

ENVIRONMENTALLY FRIENDLY

- Cobalt-free
- Made of durable, recyclable plastic
- Up to 4 times longer lifespan compared to other battery technologies
- Reduction of your CO2 emissions.

TECHNICAL FEATURES

- Nominal voltage: 48 V DC
- Capacity: 15 Ah
- Energy: 720 Wh
- Cell type: LiFePO4
- Dimensions: 425 mm x 157 mm x 83 mm (L x W x H)



AES SUPERPACK

A MULTITALENT IN POWER SUPPLY – INDEPENDENT OR WITHIN A SYSTEM.

A multitalent in power supply – Independent or within a system, flexible and autonomous.

The AES SuperPack is more than just a single battery. With a voltage of 48V, it offers a solid and reliable power source that works both as a standalone solution and as an integral component of the AES Stromkiste® Photo Edition.

Whether it's about powering lamps or specific production equipment directly, or operating in combination with other energy solutions: The SuperPack is so flexible that it meets all requirements at any time."

The AES SuperPack is both a powerful standalone energy solution and an indispensable element in more complex energy systems like the AES Stromkiste®. In every configuration, it offers flexibility and reliability that are essential in the modern production landscape."

KEY FEATURES

- Robust and safe (no thermal runaway)
- Extremely reliable with potential for quick charging
- Easier repair: Cells can be replaced individually
- With a clearly readable LCD display: e.g., the charge status is displayed in percentage
- Can be flexibly installed on the vehicle vertically and horizontally
- Compatible with AES fleet management and CAN-Bus
- Color variants can be customized as per customer wishes
- High lifespan, proven to be at least 2,500 charging cycles (equivalent to about 8 years of daily use)
- Cold-resistant

ENVIRONMENTALLY FRIENDLY

- Cobalt-free
- Made of durable, recyclable plastic
- Up to 4 times longer lifespan compared to other battery technologies
- Reduction of your CO2 emissions.

TECHNICAL FEATURES

- Nominal voltage: 48 V DC
- Capacity: 30 Ah
- Energy: 1440 Wh
- Cell type: LiFePO4
- Dimensions: 400 mm x 268 mm x 89 mm (L x W x H)



AES STROMKISTE®

THE LIGHTWEIGHT, MODULAR, AND SELF-SUFFICIENT ENERGY PARTNER FOR FILM AND TELEVISION PRODUCTIONS.

The AES Stromkiste® is ideal for production environments where rapid adaptability is crucial. Thanks to the interchangeable AES SuperPacks, the power supply can be flexibly adapted to the individual requirements of each production. Especially in rough terrain, the weight reduction of the AES Stromkiste® due to the removable AES SuperPacks offers a significant advantage.

A shoot is often a dynamic environment. The modular design of the AES Stromkiste® allows for quick scaling of capacities by simply adding more SuperPacks, ensuring no creative moment is lost.

The AES Stromkiste® is ideal for production environments where rapid adaptability is crucial. Thanks to the interchangeable AES SuperPacks, the power supply can be flexibly adapted to the individual requirements of each production. Especially in rough terrain, the weight reduction of the AES Stromkiste® due to the removable AES SuperPacks offers a significant advantage.

TECHNICAL SPECIFICATIONS

- Capacity: 60 Ah (2x 30 Ah) = 2 AES SuperPacks
- Energy:
 - 1440 Wh with one AES SuperPack
 - 2880 Wh with two AES SuperPacks
- AC output power:
 - One AES Stromkiste: 2.3 kW
 - Two AES Stromkiste: 3.6 kW in parallel operation
- USB-C output: 2 x 24 W (max.)
- USB-A output: 2 x 18 W (max.)
- XLR connection: 48 V, 16 A (max.)
- Inductive charging: 15 W
- AC charging input power:
 - 800 W with one AES SuperPack
 - 1600 W with two AES SuperPacks
- AC charging input: 230 V, 10 A, 50/60 Hz
- Solar charging input: 12-60 V, max. 25 A, max. 800 W
- Net weight: 14 kg
- Weight when fully equipped: 41 kg (including two AES SuperPacks (12 kg) and the AES Mobility Board (3 kg))
- Dimensions: 510.5 x 349 x 318 mm

CUSTOMIZED ENERGY SOLUTION.

ELECTRIFY YOUR FILM AND PHOTO PRODUCTIONS: OUR MODULAR CUSTOM ENERGY SYSTEM LEAVES NOTHING TO BE DESIRED.

SPECIALIZED FOR YOUR CREATIVE WORK

Are you looking for a reliable and eco-friendly energy source for film and photography projects? Our solution is just right for you. State-of-the-art safety technology protects your production from unwanted interruptions

GREEN-TECH FOR CREATIVES

With the latest green technology, you meet all the requirements of German film funding without losing performance.

MODULAR FOR EVERY PRODUCTION: FLEXIBILITY AND SCALABILITY

Our system seamlessly adapts to the specific needs of your production, whether for the director's container, the lighting system, the editing table, or catering. With the option to choose between one and 16 batteries, you always get the exact amount of power you need.

INVERTER OPTIONS

Choose between 2.3 kW or 3.6 kW inverters to precisely match the power to your needs

CONNECTIONS

From XLR to Schuko to USB-C - we offer all the connections you need for lighting, camera, and sound."

ROBUST CASE

SIZE ACCORDING TO REQUIREMENT

CONNECTIONS ACCORDING TO WISHES



INDIVIDUAL AND RELIABLE.

Do you have special requirements? We offer tailor-made solutions
that focus on reliability and sustainability

UNITED TOWARDS OUR OBJECTIVE.

Our team of experts looks forward to identifying and meeting your individual needs.
Contact us and see for yourself how our technology can make a difference.

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