

## ARVEY E-Series

With its E-Series, AXSOL introduces innovative, rollable battery storage systems for mobile use. Whether on a construction site, in a production hall, on a film set or in emergency shelters - battery storage units provide a fast, low-emission and continuous power supply. In this way, diesel generators can be replaced in their function in a CO<sub>2</sub>-neutral way and the flexibility of the applications can be increased.



Mobile battery storage – **strong, enduring, quiet**



 6,1 KWH

 5 KW



## Mobile battery storage

Thanks to the ARVEY E-Series, any electrical devices and tools up to 3,000 and 5,000 watts of power can be easily operated. The use of an **E5** is ideal, especially when power is required at different positions at the same location. In this way, energy can be reliably provided everywhere - even without connection to a power grid. Our intelligent By Pass function also makes it possible to connect several devices in series and thus expand their capacity. Diesel generators thus become superfluous and can be replaced by the significantly quieter, emission-free battery storage systems.

## Uninterruptible Power Supply

In safety-critical applications, a permanent power supply for equipment is essential. Here, the E-Series solutions can be used as uninterruptible power supply. If an **E5** is connected between load and grid connection (By Pass mode), the system control switches to battery operation within just 7 milliseconds in the event of a grid failure, thus guaranteeing an uninterruptible power supply.

## Hybridization Gensets

If you already have a diesel generator, it is still worth combining it with an **E5**. For example, the intelligent by-pass function allows the generator's power to be used primarily at the ideal power and excess energy to be stored in the battery. In this way, no energy is lost and one can save costs and emissions.

### Example applications with an **ARVEY E5**:

- Demolition hammer (2000 W) on a construction site: 3 hours continuous operation
- Large cut-off grinder (3500 W) in production hall: approx. 1 hour 40 minutes continuous operation
- Lighting setup with 2 floodlights (200 W each), 2 spots (300 W each) on film set: 6 hours continuous operation



### Application examples

- + Construction
- + Movie & TV
- + Industry
- + Events
- + Medical Emergency Units
- + Defense & Security

## Accessories, that fit

To expand the application possibilities of our E-Series, we also offer a robust steel frame for it. It acts as a shock absorber and allows easy lifting by a crane with hoists or chains. In addition, we can equip the unit with 260 mm solid rubber tires to facilitate handling in challenging terrain. The rainproof housing (min. IP43) allows the device to be used in wind and weather without any problems. An easily accessible grounding screw also enables the use of the E-Series with a protective earth conductor.







### Mobile

Battery storage in rollable, rainproof metal container (min. IP43)



### Strong

5 kilowatts continuous  
230-volt output power (short term)  
150 % peak power to bridge starting currents)



### Enduring

6-kilowatt hours battery capacity

# HIGHLIGHTS



### Flexible

Chargeable by grid, genset or photovoltaic



### Safe and Long-lasting

Advanced lithium iron phosphate (LiFePo4) batteries in robust housing



### Simple usage

Plug & Play - Intuitive user interface shows most important real-time data

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## ARVEY E5

|  |  |
|--|--|
| Output power                           | 5.000 W<br>Peak 7.500 W  |
| Battery capacity                       | 6.144 Wh   |
| Dimensions                             | 620 x 440 x 660 mm   |
| Weight                                 | 112 kg   |
| Outputs                                | 230 V AC SCHUKO<br>32 A CEE 3 pole<br>1 x 5V DC USB-B<br>1x 20 V DC USB-C<br>2x 12 V DC output jacks |
| Charging time (Empty to Fully charged) | 4,5 hours  |
| max. Input Power Photovoltaic          | 3.200 W  |
| Additional feature                     | Remote monitoring via WiFi   |

### Info:

AXSOL's energy generation and storage systems can be ideally configured for any application thanks to their modular structure and are designed specifically for the customer. Send an [inquiry to info@axsol.eu](mailto:info@axsol.eu) with the requirements you want and we will make you an offer.