

# It's not about buying prices. It's about overall costs.

## Lithium-ion vs. lead acid – cost comparison.

Switching to lithium-ion is an investment to begin with, but in the long term it pays off. Thanks to their superior energy efficiency and extended lifespan, lithium-ion batteries offer substantial long-term cost savings compared to traditional lead-acid batteries. They require minimal maintenance and allow for fast intermediate charging to avoid loading peaks. These benefits result in significant financial savings over the lifespan of the battery.

### Charge yourself with expertise:

discover more about lithium-ion technology [here](#).

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### Maintenance and infrastructure costs

Cleaning, water filling, storage space – lead-acid batteries cause higher maintenance costs.

### Lead-acid

battery · 767 €

Water refilling costs · 29 €

Maintenance costs · 71 €

Service costs · 42 €

Power costs · 185

Capital costs · 440 €

### Lithium-ion

battery · 646 €

Service costs · 42 €

Power costs · 137 €

Capital costs · 467 €

### Power costs

Because of lower internal impedance and less wasteheat, Li-ion convinces thanks to lower energy.



Costs per month in €, EFG 320, 72 months of use, 2,000 operating hours per year