

At a glance ...

LG Chem



Product advantages

LG Chem, a subsidiary of the Korean LG Group, is one of the leading international manufacturers of petrochemical materials for the information and electronics industry.

Since 1996, the company also specializes in the research, development and production of lithium-ion batteries for various purposes.

This includes efficient compact batteries / accumulators for smartphones, laptops and power tools, market-leading storage solutions for hybrid and electric cars as well as advanced stationary energy storage systems for residential and large-scale applications.

Using the patented „stack & folding“ cell technology, storage products from LG Chem are particularly reliable, safe and durable – this is proved by the many reference installations and collaborations with leading PV manufacturers, e. g. SMA with its Sunny Boy Smart Energy battery inverter.



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Safety and reliability

- Advanced lithium-ion technology, tested in the automobile industry (LG Chem: leading battery supplier of currently 200,000 hybrid and electric cars p.a.)
- Longtime production experience and technical know-how (R & D since 1996)
- System security TÜV certified
- Ceramic coated safety separator in the cells reduces effective risk of short circuits, also under high temperatures

Handling and equipment

- Fully preassembled system ensures easy installation and low maintenance costs
- Compact solution with contact breaker and integrated battery management for self-diagnosis and optimal cell balance
- Space-saving thanks to its small dimensions

Efficiency and longevity

- Patented “stack & folding” cell technology enables stable energy structure and discharging
- Up to 6,000 charging cycles
- Depth of discharge (DOD): 95 %
- Expected lifetime: more than 10 years

Variability and functionality

- Wide product range of low-voltage (48 V) and high-voltage models (400 V)
- Expansion kit (for 48 V batteries) can be used to combine two systems of random capacity
- Floor- or wallmounting, suitable for indoor or outdoor use
- Compatible with different inverter types, e. g. SMA Sunny Island (low-voltage) and SMA Sunny Boy Storage (high-voltage)