



Miba Battery Systems

VOLT HOME[®]



Where the
power of
energy finds
a safe home.





More energy safely for every home

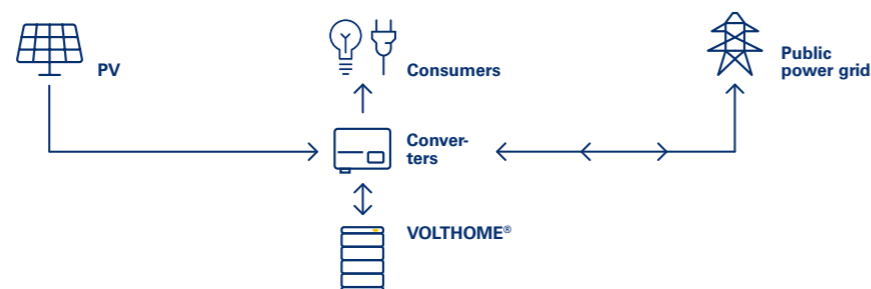
Our energy storage solution offers you a sustainable, efficient and independent energy supply, tailored to your energy requirements – today and in the future.

With an energy storage system, not only do you use your own green electricity and actively contribute to the energy turnaround, but you also become independent of rising electricity prices. The basic idea of any storage is to temporarily store the electricity you have generated yourself, and then use it flexibly as needed. With our energy storage solution VOLTHOME® we are going one step further.

We offer a home storage system "Made in Austria", which sets new standards in terms of energy density, flexibility and safety. Our battery system can absorb more energy and is also more compact in design. The modular system effortlessly adapts to any room, is simple and flexible to install and can be flexibly expanded, including for later retrofits.

Through our many years' experience in developing and producing complex battery systems, we guarantee the highest level of safety that goes beyond the usual standards. The use of mechanically stable round cells with additional round cell protection, in combination with an integrated battery management system, guarantees the safe storage and use of the energy.

With mainly recyclable materials, our energy storage system is not only an intelligent battery system that is well thought-out all round, but also the most sustainable storage on the market.



Your pathway to independence:
See how your own green power flows through our energy storage system.





Good reasons for more green power

There are many good reasons why inverter manufacturers, distributors and end consumers are equally impressed by our modular energy storage system.



Made in Austria

Developed and produced in Austria! With over 16 years' battery expertise, we guarantee the use of leading European manufacturing technology. This creates trust and provides security. We strive for the highest value creation – and soon our round cells will also come from Europe.

Maximum power in compact form

The modular battery system is available in capacities of 12, 17, 21 and 25 kilowatt hours. Market comparisons confirm that VOLTHOME® boasts one of the highest energy densities on the market. This means that while other modular storage systems are becoming substantially bigger, VOLTHOME® remains compact with the same energy storage values, and thus saves space.

Maximum efficiency

Our storage enables the maximum quantity of energy to be stored: thanks to the higher voltage and lower current, the losses with VOLTHOME® are minimal, which optimizes energy efficiency and reduces energy costs.

Active balancing

Our system actively ensures that every individual cell in the battery has the same voltage. So our battery is longer-lasting and more efficient overall, offering investment security and stable financial returns.

Safety beyond the standard

Energy storage calls for the highest safety standards. The round cells with individual cell protection and our in-house developed battery management system (BMS) offer maximum safety. The utmost safety is guaranteed during the installation too: the current flow remains interrupted until the final connection.

Maximum flexibility

Our storage system adapts effortlessly to every room, is attached to the wall and placed on the floor. The extendable modular design means that our storage can be optimally adapted to any requirement, and can also be extended retrospectively with further modules.

Easy to install

Our system was developed in cooperation with installation companies, and thanks to the simple plug system no external wiring is required for the modules. The rapid and easy installation makes our storage system especially popular with installers.

Timeless design

VOLTHOME® will win you over not only functionally, but visually too. The elegant, simple yet timeless design adapts seamlessly to any room. And thanks to being attached directly to the wall, all the external socket connections disappear inside the system.

The green storage system

With an above-average recycling rate, using CO₂-neutrally generated electricity and mainly sustainable materials, our storage makes an active contribution to protecting the environment. What's more, the battery is fully decomposable.

Future-oriented cell chemistry

For the cell chemistry we rely on modern lithium iron phosphate technology, and are continuously developing our technologies. So we always offer our customers the best solution, including in terms of durability.



Head Unit

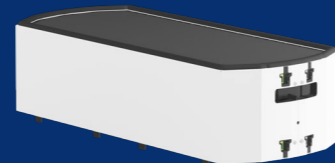
Dimensions:
~676 x 276 x 112 mm
Weight: approx. 7,6 kg



Battery Unit

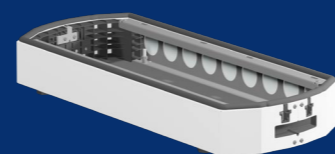
Concealed carrying handles for easy handling

Dimensions:
~657 x 276 x 185 mm
Weight: approx. 36,4 kg
Capacity: 4, 14 kWh
Voltage: 76,8 V



Base Unit

Dimensions:
~657 x 276 x 95 mm
Weight: approx. 5 kg



The technical benefits at a glance

General information

Cell chemistry / cell type	Lithium iron phosphate (cobalt-free) Lithium-ion battery cells
Cell format	Round cell
Installation	Plug system
System	Extendable modular design
Assembly / installation location	Wall / indoors and garage
Battery modules	#03, #04, #05, #06.
Storage capacity	12 / 17 / 21 / 25 kWh

Further features

Status display:

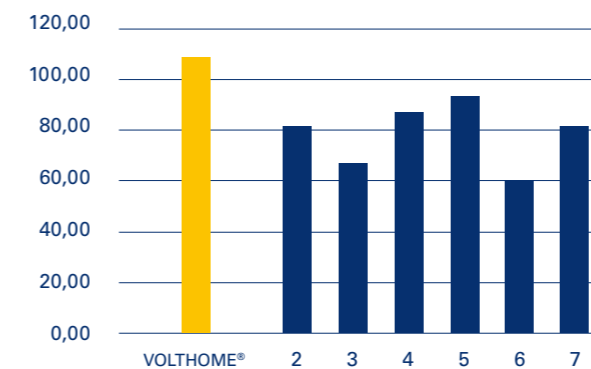
The Austrian brand Miba stands for both reliability and functionality. The charge level and battery status can be read off on the circular display.

Sophisticated connector system:

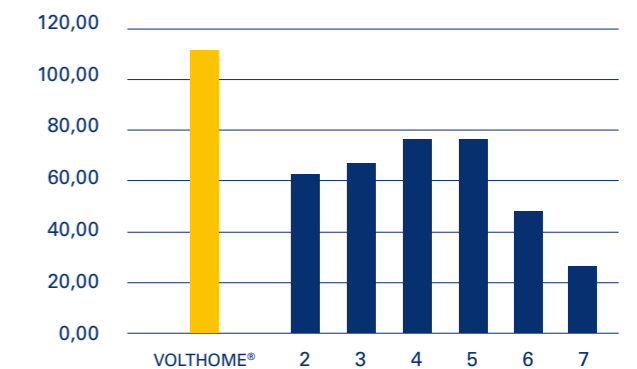
- Plug-in connections between the modules are invisible
- System uses standard plugs

VOLTHOME® compared

Gravimetric energy density
"Watt-hours per kilogram" (Wh/kg)



Volumetric energy density
"Watt-hours per liter" (Wh/l)





Miba Battery Systems

ENERGIZE LIFE

Miba Battery Systems is a pioneer in the development and production of battery packs and energy storage systems on the basis of round cells and battery components. We were the first supplier worldwide to develop an innovative contacting process for welding round battery cells efficiently. In addition, our FLEXCOOLER® ideally complements our innovative product range as the lightest battery cooler in the world.

Our claim ENERGIZE LIFE stands for our drive to electrify a wide variety of applications, such as automobile, off-highway working machinery, motorcycles, boats, drones as well as stationary applications.

At Austria's technology-leading battery production site, the VOLTFACTORY®, we are driving forward the electrification of the future.

Miba Group

The Miba Group is a leader in the development and production of functionally critical components along the entire energy value chain. A core area of Miba's product portfolio comprises technologies for the efficient generation, transmission, storage and use of energy. Batteries as energy storage play a crucial role in this. Miba Battery Systems is therefore the ideal addition for future-oriented battery technologies and makes a substantial contribution to implementing Miba's electrification strategy.

Contact

Miba Battery Systems GmbH
Maximilianstraße 4
4190 Bad Leonfelden
Austria
batterysystems@miba.com
www.mibabattery.com

