



# Home Energy Storage Solutions

# UTILISE THE POWER OF THE SUN

Solar power (photovoltaic (PV) energy) plays a greater role in domestic energy than ever before. It is cost-effective, safe, environmentally friendly and socially responsible.

However, until now, solar power has had one major flaw: it was only truly cost-effective when it was being used.

EnerSys®, the world leader in stored energy solutions, has the answer: get the most out of the sun's rays by storing the energy in your home and using it when you need it.

An EnerSys energy storage system gives you the power to harness the sun's rays using state-of-the-art technology that will integrate into your home like any other household appliance, easily connecting and integrating into your home network.



# OPTIMISE YOUR SOLAR POWER CONSUMPTION

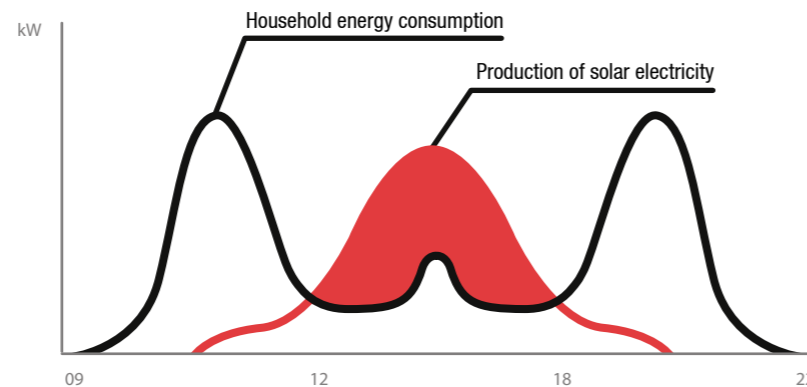
EnerSys® energy storage systems can easily be retrofitted as an addition to your existing photovoltaic system or installed in conjunction with a new PV facility.

This allows you to optimise your energy consumption, giving you independence from electricity providers and allowing you to maximise your energy use without increasing your impact on the environment.

## TAKE CONTROL OF YOUR ENERGY NEEDS

Most solar power is generated during the sunniest hours in the middle of the day. Throughout the day excess solar energy, which is not immediately consumed by household appliances, is stored.

The stored solar energy can then be used during periods with little or no sunshine, but when consumption is high. Thus, even in the morning, evening or at night, your costs for power from the grid are reduced - and you use your environmentally friendly produced solar power optimally.



## WORKING FOR YOU

Features and benefits at a glance:

- Completely pre-wired cabinet, including integrated circuit breakers.
- Compact, robust and secure cabinet, with lockable door.
- Fast, easy and cost-saving installation.
- First 24/48V lead-based electricity storage system with integrated battery monitoring system and easy to use touchscreen.
- Very reliable in operation.
- Low operating costs due to the absence of regular maintenance.
- Highly efficient through optimum efficiency.
- EnerSys® storage batteries can be charged and discharged extremely quickly:
  - Your stored energy is readily available when needed.
  - Minimise charge time and maximise discharge.
  - Optimisation of energy storage and own consumption.



## INNOVATIVE TECHNOLOGY IN YOUR HOME

EnerSys energy storage is an advanced, market-leading technology that is just as easy and convenient to use as any other household appliance.

It is quick and simple to install, uses high-quality, lead-acid batteries with the leading thin plate pure lead (TPPL) technology and is maintenance free. It provides maximum reliability and efficiency in a compact, space-saving battery cabinet.

The only 24/48V domestic solution to include a battery monitoring system, EnerSys energy storage is on a different level to other lead-based storage. The unique, user-friendly system is as simple to operate as any other household appliance.

The monitoring system gives you important information about the battery status through a user-friendly, colour touchscreen. It also allows you to control the operation and condition of the battery, for maximum confidence and protection of your investment.





## SECURITY AND TRUST

EnerSys® energy storage systems are built to rigorous standards and are compliant with all relevant regulations, providing you with complete confidence and worry-free operation.

With an integrated but encapsulated battery monitoring system, circuit breaker and a 'real' battery cabinet, the EnerSys Home Solar Storage System is one of the most compliant and robust solutions of its kind on the market.

## HIGHLY EFFICIENT

EnerSys energy storage systems offer high efficiency at low cost: a high quality system at an exceptional price.

EnerSys is a leader in the field of lead-based systems, with its energy storage systems being at the cutting edge in terms of efficiency and performance.

Quick and easy installation and a maintenance-free operation make EnerSys energy storage an extremely cost-effective system.

## SPECIFICATIONS

	48V System 9.2	24V System 9.2	24V System 4.6
Rated Voltage [V]	48	24	24
Energy content [kWh]	9.2	9.2	4.6
Dimensions L x W x H [mm]	780 x 350 x 1001	780 x 350 x 1001	780 x 350 x 1001
Total weight incl. Batteries [kg]	300	300	175
Battery type and number	TPPL / 4 bloc	TPPL / 4 bloc	TPPL / 2 bloc
Achievable efficiency	> 90%	> 90%	> 90%
Fast charging capability	Yes	Yes	Yes
Battery Monitoring System	Included	Included	Included

## ABOUT ENERSYS

EnerSys is the world leader in stored energy solutions. With 125 years of experience, we combine expert knowledge with 21st century innovation in order to give you the energy you need.

Providing reserve power in sectors ranging from telecoms to marine and health to security, our home energy solutions are based on years of world-leading experience and innovation. EnerSys has the power to give you an edge.

EnerSys is a true global leader, with operations in Europe, the Middle East, Africa, Asia and the Americas. This allows us to draw upon the skills and innovations of a team of almost 10,000 of the industry's top professionals.

We are headquartered in the United States of America and have regional HQs in Europe and Asia. Our 31 manufacturing and assembly plants ensure that we will deliver a solution that meets your needs.

**EnerSys® EMEA**  
EH Europe GmbH  
Löwenstrasse 32  
8001 Zürich, Schweiz

**EnerSys® in Germany**  
Hawker GmbH  
Dieckstraße 42  
58089 Hagen  
Email: [info.reserve@de.enersys.com](mailto:info.reserve@de.enersys.com)

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