



**SPHERA**  
ENERGY

# Speed meets scale

Fast, flexible, and scalable BESS solutions  
shaping Europe's energy transformation.

[sphera-energy.com](https://sphera-energy.com)



**SPHERA**  
ENERGY

## Europe's Clean Energy Future

Europe is advancing its efforts toward decarbonization and energy independence. However, outdated infrastructure and sluggish deployments are hindering progress. Grids are experiencing increasing pressure from renewables and changing demand.

Swipe >



**SPHERA**  
ENERGY

## The challenge

Without coordinated upgrades and smarter integration, valuable clean energy will be wasted and grid stability compromised.

The issue is clear: modernize the grid to be faster, more flexible, and truly European.

Swipe >



**SPHERA**  
ENERGY

## The solution

Built with a modular architecture, **BESS** systems enables fast deployment in just **3–12 months** with minimal on-site work.

Its flexible design allows seamless integration across the grid—whether with renewables, substations, or as a standalone unit.

Capacity can be scaled incrementally to match demand, supporting dynamic energy growth.

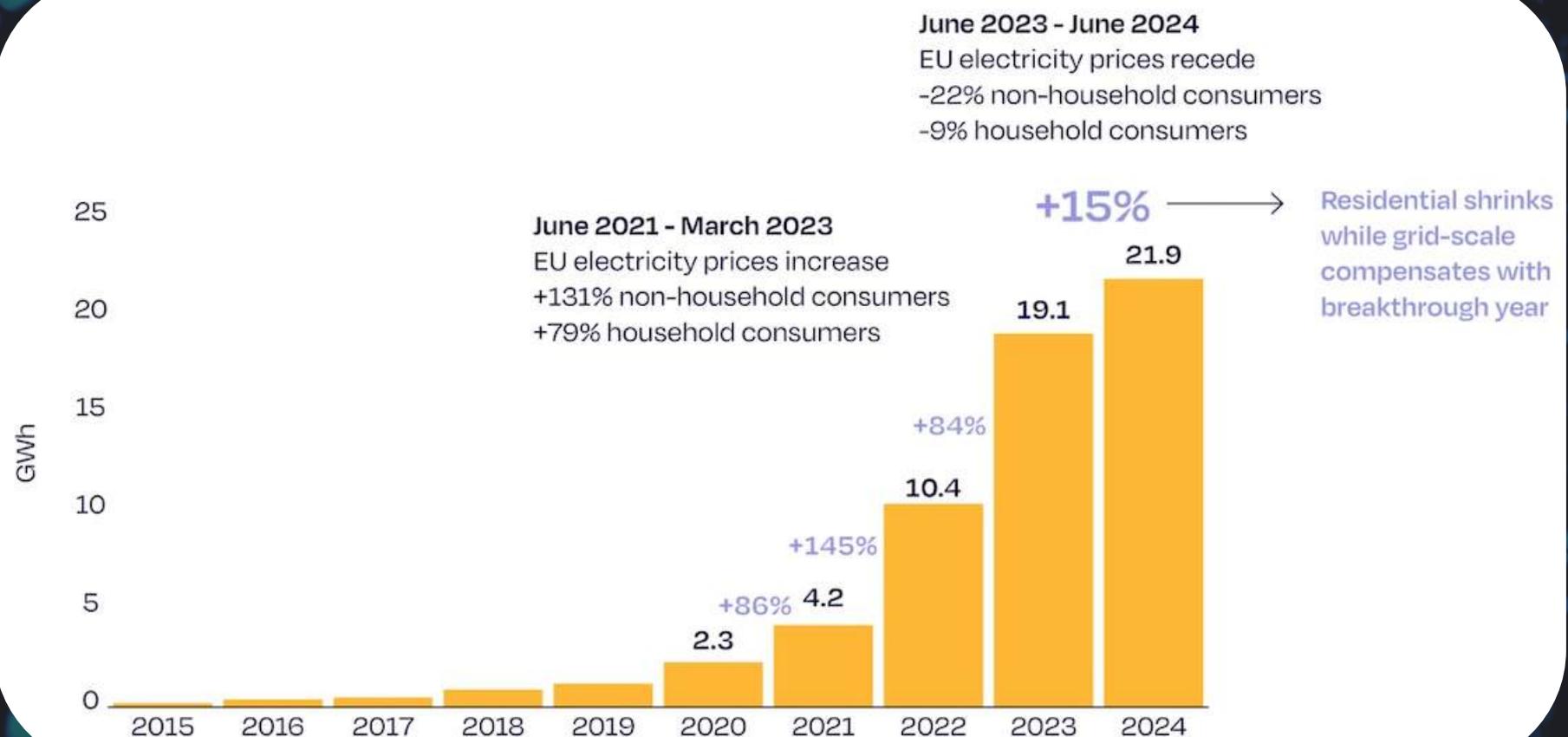
Swipe >



**SPHERA**  
ENERGY

## Utility-Scale Rises: Europe's Energy Storage Shift

- Europe added 21.9 GWh of BESS, reaching 61.1 GWh total—a 15% year-over-year increase.



Swipe >



**SPHERA**  
ENERGY

- Residential share fell from ~**57%** as utility-scale storage surged and is set to dominate growth.
- 2025 additions forecast at **29.7 GWh (+36%)**, but 2029 capacity (200–400 GWh) still trails the EU's 780 GWh 2030 goal; policy reform is key.

 Source: <https://www.solarpowereurope.org/insights/outlooks/european-market-outlook-for-battery-storage-2025-2029/detail>

Swipe >



**SPHERA**  
ENERGY

## **BESS** strategic value

Scalability ensures that **BESS** deployments can ramp in pace with grid stress and renewables growth, creating a dynamic, responsive buffer.

Utility-scale storage thus transitions from being a niche asset to a backbone infrastructure element—critical for achieving a resilient, decarbonized European power system.

[sphera-energy.com](https://sphera-energy.com)