



SUNVEC
smart solar & storage


vector Energy

SUNVEC STORAGE TITAN

Battery energy storage systems (BESS)

Up to 5 MVA / 5 MWh



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- ✓ Fire protection
 - ✓ Off-grid operation
 - ✓ Modular and escalable:
 - Up to 5 MVA or 5 MWh
 - ✓ Combinations of power and storage in one container
 - ✓ Intelligent energy management

Applications

- ✓ Peak shaving
- ✓ Energy arbitrage
- ✓ Solar self-consumption
- ✓ Energy backup and resilience
- ✓ Power quality improvement
- ✓ Demand flexibility
- ✓ Reserve and Blackstart



SUNVEC
STORAGE TITAN

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About Vector Energy/ SUNVEC



“ Technology, proximity, customization, and operational continuity. ”

Vector Energy is a member of:

AEPIBAL!

entra
AGREGACIÓN Y FLEXIBILIDAD

UNEF
Solar • Almacenamiento

esmc
EUROPEAN SOLAR MANUFACTURING COUNCIL

vector
Energy

Vector Energy is a company specialized in energy storage solutions with over a decade of experience in power electronics, system integration, and energy control. Our multidisciplinary team combines **electrical engineering, software, and industrial design** to deliver **robust, modular, and scalable solutions**.

We operate mainly in the **industrial, commercial, critical infrastructure, and renewable energy sectors**, offering solutions for both medium- and low-voltage applications.

SUNVEC
smart solar & storage

Our **SUNVEC** technological capabilities range from the **development of Energy Management Systems (EMS) and smart batteries (BMS)** to the **design of inverters and complete Battery Energy Storage Systems (BESS)**, whether containerized or for indoor industrial installations, targeting industrial, commercial, and infrastructure applications. As a European manufacturer based in Barcelona, we integrate the design, engineering, manufacturing, and technical support of all critical components of our Sunvec Storage systems: battery packs, BMS, EMS, and inverters.

Our philosophy is based on four pillars: **technology, proximity, customization, and operational continuity** — all to ensure performance, safety, and system availability throughout the lifecycle.

About Vector Energy/ SUNVEC



Manufacturing and engineering in Europe:

All SUNVEC Storage equipment is designed and assembled at our Barcelona facilities, ensuring quality control, regulatory compliance, and full traceability.



Vertical integration (EMS, BMS, Battery pack):

We develop all key system elements in-house, allowing for greater compatibility, energy efficiency, and control over future upgrades.



Local and remote support with guaranteed spare parts:

We have our own technical support and service agreements with local teams trained directly by Vector Energy, ensuring rapid response and original parts for any intervention.



Modularity and ease of maintenance:

The smallest unit of intervention is the battery pack, which reduces replacement costs and time. The modular design facilitates progressive expansions and maintenance without operational impact.



Flexibility in configuration, upgrades, and expansions:

We adapt our solutions to each client's energy needs, with the ability to integrate into existing systems and support firmware and EMS updates.



Extended warranty programs with comprehensive coverage:

We offer scalable warranty packages (up to 10 years), including labor, travel, and critical component replacement, to protect your long-term investment.

