

# ENERGIZE StorageCell

## NEXT-GENERATION BATTERY ENERGY STORAGE SOLUTIONS

Energize StorageCell is an advanced battery energy storage system (BESS) designed to provide energy flexibility, grid stability, and sustainable power management. Suitable for both on-grid and off-grid use, it integrates with renewables and supports peak shaving, load shifting, backup power, and energy optimization across industrial, commercial, and utility-scale projects.

StorageCell is divided into two high-performance product lines:



### Energize *PowerNest* – Containerized energy storage solutions

Compact, outdoor-rated PowerCore modules offer space-efficient, visually integrated, and highly configurable energy storage, scalable from standalone to larger parallel systems.



### Energize *PowerCore* – Modular outdoor energy storage systems

PowerNest is a fully integrated, plug-and-play BESS in 10ft, 20ft, or 40ft containers, designed for fast deployment and scalability across commercial, renewable, and critical infrastructure applications.

Together, they form a robust and adaptable storage portfolio, ready to energize the future of power infrastructure.

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## Energize *PowerCore*

**Key Features:**

- **Modular design:** Stackable and expandable architecture with independent PCS integration.
- **Outdoor-ready:** IP65-rated enclosures built for harsh environmental conditions.
- **Flexible capacity:** Ranging from 30 KWh To 500 KWh per module.
- **Seamless integration:** Compatible with PV, gensets, wind, and grid-tied systems.
- **Smart & safe:** Advanced BMS, passive and active cooling, and safety interlocks.

**Applications:**

- C&I rooftop PV storage
- EV fast charging stations
- Telecom and remote site backup
- Peak shaving in industrial zones
- Agricultural and rural electrification

**Customization options:**

- Off-grid automation controller
- Wireless monitoring suite
- Theft and vandal-resistant design upgrades

## Energize *PowerNest*

**Key Features:**

- **Fully integrated architecture:** Includes lithium-ion or LFP battery racks, PCS (Power Conversion System), EMS (Energy Management System), fire suppression, HVAC, and auxiliary systems.
- **Scalable capacity:** From 100 kWh to multi-MWh deployments.
- **Durable enclosure:** IP55-rated, CSC-certified containers with temperature control for extreme climates.
- **Smart control:** Integrated EMS for real-time monitoring, control, and remote diagnostics.
- **Rapid deployment:** Factory-assembled and pre-commissioned for fast on-site installation.

**Applications:**

- Renewable energy smoothing
- Grid balancing and frequency regulation
- Demand charge management
- Diesel generator replacement in remote areas
- Critical load backup and black start capability

**Optional add-ons:**

- Hybrid PV integration kits
- Fire-rated container upgrade
- Advanced ems with ai-based optimization

Tehnical Highlights		
Feature	PowerNest	PowerCore
Capacity range	100 KWh - 5 MWh+	30 kWh - 500 kWh per unit
Enclosure	10/20/40 Ft Container	Compact IP65 outdoor cabinet
Batery chemistry	LFP / NMC	LFP
PCS intergation	Built-In	Optional or external
EMS/BMS	Included	Included
Cooling	Active HVAC	Passive/optional active
Cetrificaton	IEC, UL, CE, UN38.3	IEC, UL, CE, UN38.3