

# Battery Energy Storage System (BESS)

PRODUCT OVERVIEW BROCHURE



SBE1000

SBE500



# Intro

Energy management today means balancing a combination of carbon reduction, energy savings and resilience goals that are NOT mutually exclusive.

Generac's SBE Battery Energy Storage System (BESS) expands our industrial solutions offering with a product focused on enabling energy savings & carbon reduction, and providing short duration site resilience and grid support.

## Benefits



### SOLAR INTEGRATION

Battery energy storage can be used to store electricity generated from renewable energy sources, such as solar, so that it can be used at a different time.



### PEAK DEMAND MANAGEMENT

Battery energy storage can help reduce peak demand costs for a facility by charging with excess renewable electricity or during off-peak hours, and discharging during on-peak hours.



### BACKUP POWER

Battery energy storage can provide backup power during outages, ensuring that critical infrastructure and services remain operational.



### CARBON REDUCTION

By collecting the sun's free energy and choosing when to deploy it, battery energy storage systems make it simple to reduce carbon emissions and contribute to ESG initiatives.

## Applications

### COMMERCIAL

In the commercial sector, managing energy consumption efficiently is crucial for reducing costs, increasing sustainability, and ensuring uninterrupted operations. Battery energy storage systems offer an innovative solution to optimize energy management in commercial buildings.

### INDUSTRIAL

The industrial sector relies heavily on a stable and reliable power supply to maintain operations and meet production demands. Battery energy storage systems offer a robust solution for enhancing efficiency, managing energy costs, and ensuring resiliency in industrial facilities.

### TRANSPORT ELECTRIFICATION

The electrification of transportation, including electric vehicles (EVs) and electric public transport, is a key component of the transition to a sustainable and low-carbon future. Battery energy storage systems play a crucial role in supporting the widespread adoption of electric transportation.

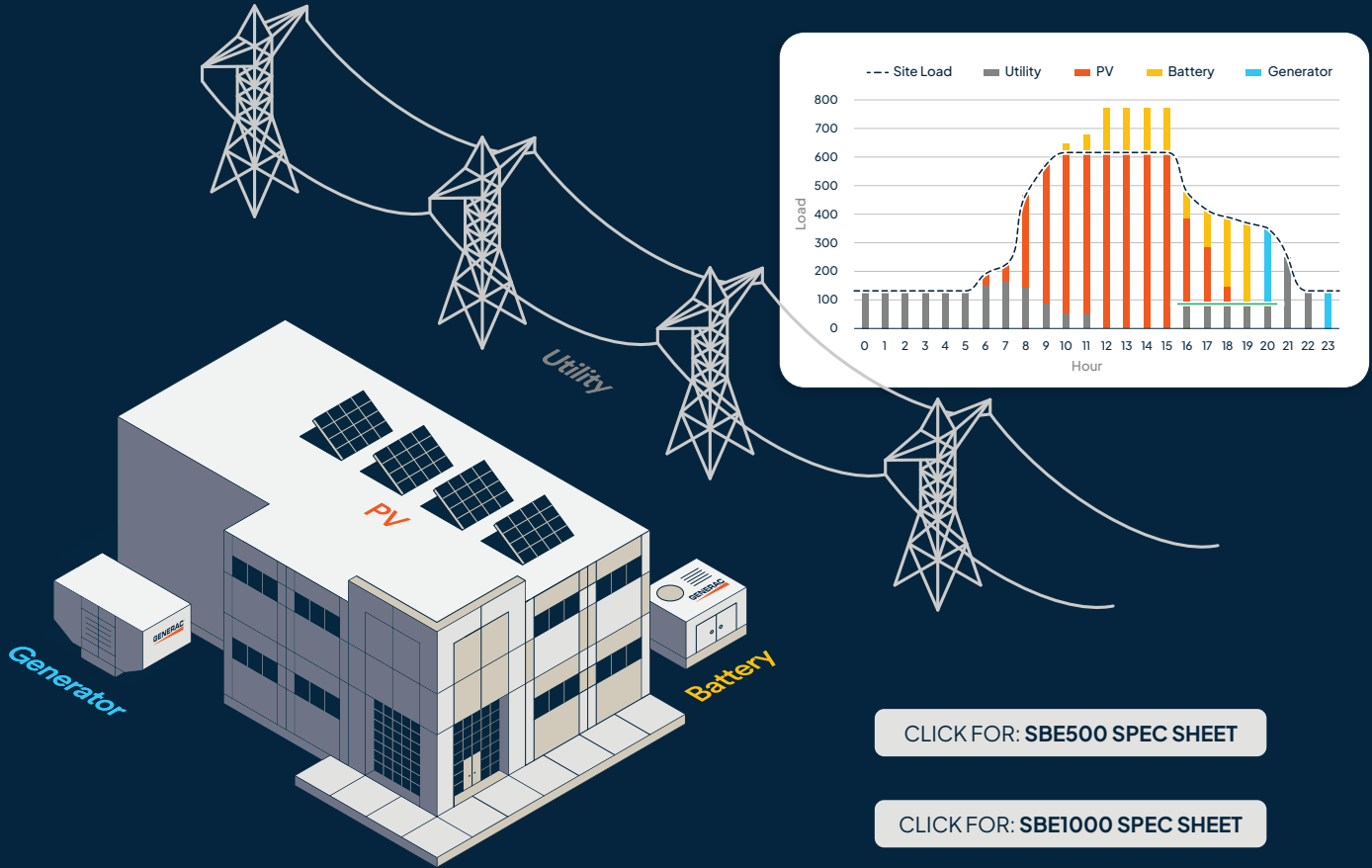
### OFF-GRID

Off-grid applications refer to systems or locations that are not connected to the traditional electricity grid. These include remote areas, off-grid communities, mobile or temporary setups, and isolated facilities. Battery energy storage systems offer a reliable and efficient solution for meeting energy needs in off-grid scenarios.



# Multi-asset Sites

Sites with solar, storage and generators are becoming more common as customers try to balance energy savings, emissions reduction and resilience goals. Current estimates in the US suggest these multi-asset sites will grow 20.1% annually through 2028\*.



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## SBE Energy Ratings

### Rapid Discharge

Power (kW)	Nameplate Energy Capacity (kWh)				
	230	460	599	690	1198
200	1h				
400		1h			
500			1h		
600				1h	
1000					1h
Enclosure Size	10'			20'	

Products with rapid transfer capability between on-grid and off-grid

### Standard Discharge

Power (kW)	Nameplate Energy Capacity (kWh)								
	288	538	576	809	864	1075	1152	1613	1728
125	2h		4h						
200			3h		4h		5h		
250		2h	2h	3h	3h	4h	4h		
400					2h		3h		4h
500						2h		3h	3h
600									2h
Enclosure Size	10'				20'				

\*Data provided by MarketsAndResearch.com

# Unlock energy savings with **Generac Battery Energy Storage**

Battery energy storage systems offer cost savings, better energy management, and enhanced reliability. They help in reducing energy costs, integrating renewable sources, and providing backup power during outages. With these systems, you can store energy as needed and join the energy revolution ... explore the options Generac can provide.



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INFORMATION

## Fully Integrated Energy Storage System

- Optimized for commercial and industrial energy storage projects
- Built-in controls for integration with solar PV and generators
- Backup power ready - designed to support onsite load during grid outages
- Virtual Power Plant ready - integrated connectivity for asset monetization
- Comprehensive national partner network for service and maintenance
- Scalable from 200 kWh to multiple MWh



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Rev 08/24

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POWER**