

Distributed Energy Storage System

L1000 In-Building

Manage energy use, cut costs and provide backup power for a building, campus or enterprise with the L1000 In-Building Distributed Energy Storage System from Johnson Controls. We combine world-class battery technology, in-depth buildings expertise and intelligent controls to deliver the solution that performs best with your specific building systems.

Controls go beyond the battery to optimize whole-building performance and simplify participation in energy markets. Adaptive algorithms and premium battery composition help you realize the lowest total lifecycle cost.

As a global multi-industrial leader emphasizing manufacturing excellence, Johnson Controls is perfectly positioned to partner with you on state-of-the-art energy storage. Learn how you can store and distribute power off the grid with the L1000 small container solution.

Economic Value

The system provides the ability to save money as well as participate in energy markets to deliver economic value to buildings.

Short-Term Energy Backup

The system can be configured to provide short-term electrical backup to the facility while a generator is ramping.

Multiple Power Options

The system output can be configured based upon customer needs from 50kW up to 250kW.

Modular Capacity Options

The system capacity can be configured in increments of 43 and 65 kWh.



Metasys® Compatible

The system integrates seamlessly into the *Metasys*® Building Automation System for local monitoring and control.

Remote System Monitoring

Provides local and remote real-time monitoring, diagnostics and control of the energy storage system.

Small Footprint

The system can be installed in any electrical room connected to the facility grid.

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Product Specifications

	BU-43	BU-65
Minimum Storage Capacity	43 kWh	65 kWh
Storage Capacity Increment	43 kWh	65 kWh
Power Rating	Dependent upon PCS	
Applications	Frequency Regulation, Peak Shaving, Load Shifting, Backup, Volt/Var Support	
DC Voltage	518 VDC	778 VDC
Seismic	Zone 4 (California)	
Market Interface	Johnson Controls	
Building Interface	Johnson Controls <i>Metasys</i> ®, ASHRAE BACnet	
Monitoring	Local and Remote	
Battery Cells	VL41M 41Ah Li-Ion Cylindrical Battery	
Certification	Pending	Pending
Expected Life	Up to 20 years*	
Dimensions (W x D x H)	37 x 23 x 74 in.	37 x 23 x 74 in.
Weight (lbs)	1950 lbs.	2600 lbs.

*Actual may vary—dependent on environmental conditions and application. More details are available on our website: www.johnsoncontrols.com/DES.

Ordering Information

Battery Units	
BU-43	43 kWh Li-ion battery storage
BU-65	65 kWh Li-ion battery storage