

Con Edison Battery Storage

a Con Edison Clean Energy Business

CONTAINERIZED ENERGY STORAGE: L2000



Handle multiple energy applications simultaneously for utilities and large enterprises with the L2000 Containerized Energy Storage system. Con Edison Battery Storage combines world-class energy storage technology, intelligent controls, and decades of energy expertise to create an efficient, cost-effective solution.

This scalable system can provide hours of high-energy output, offering new opportunities to regulate, store and distribute power with maximum benefit.

- **Seamless integration.** The L2000 integrates with *Metasys*® and other building automation systems via BACnet® or Modbus. Our advanced controls blend HVAC, lighting, security, and fire safety to optimize whole-building performance and simplify participation in energy markets.
- **Greatest economic benefit.** Patented controls use machine learning to deploy the battery for maximum value in a full range of applications, including peak shaving, load shifting, frequency regulation, demand response, and participation in energy markets and incentive programs.
- **Customizable, scalable system.** Modules can be configured from 150 kWh up to 500 kWh. The L2000 is a complete energy storage system, including batteries, controls, HVAC, fire detection and suppression, installed outdoors and connected to your electrical service. Batteries are snapped into racks (no electrician needed) and paired with our controls and embedded software, all housed in 10-foot, 20-foot, 40-foot or 48-foot modular containers.
- **Local and remote real-time monitoring, diagnostics and control.** The system overview displays energy, power, health, alarm and key performance indicator trends, updated in real time. Detailed views and reports provide additional data.
- **Lowest lifecycle cost.** Adaptive algorithms ensure value, and premium battery composition extends system life.

THE L2000 AT A GLANCE

- Outdoor solution for large buildings, campuses, enterprises and utility applications
- Multiple energy applications for utilities and large enterprises
- Remote and local real-time monitoring and control
- Complete solution with batteries, controls, HVAC, and fire detection and suppression systems

WHY CON EDISON SOLUTIONS?

At Con Edison Solutions, our battery storage systems together with our energy expertise combine to provide our clients a fully integrated, optimized energy solution. Our holistic approach brings you maximum value, with proven, flexible solutions. All backed by the service, reliability, and stability of a market leader with a corporate heritage dating back nearly 200 years. [Learn more at ConEdSolutions.com.](https://www.conedsolutions.com)

L2000 Product Specifications

Characteristic	BU-150E	BU-250E	BU-500E	BU-1000E	BU-1500E	BU-3000E	BU-5000
Nameplate Storage Capacity (kWh)	156	313	506	1013	1519	3039	5065
Maximum Usable Storage Capacity (kWh) (0.1C)	149.8	300.5	485.8	972.5	1458.2	2917.4	4862.4
Minimum Usable Storage Capacity (kWh) (0.5)	124.8	250.4	404.8	810.4	1215.2	2431.2	4052.0
Maximum Charging Power (kW)	62.4	125.2	202.4	405.2	607.6	1215.6	2026
Maximum Discharging Power (kW)	78	156.5	253	506.5	759.5	1519.5	253.25
Output Power (kW)	Dependent upon PCS selected; see PCS specifications						
DC Voltage Range (Vdc)	588 – 823	588 – 823	714 – 1000	714 – 1000	714 – 1000	714 – 1000	714 – 1000
AC Output Voltage (Vac)	Dependent upon PCS selected; see PCS specifications						
Aux Power Input (Vac)	480/240 Vac, 3P, 60Hz, 10 kVA (max)	480/240 Vac, 3P, 60Hz, 12 kVA (max)	480/240 Vac, 3P, 60Hz, 15 kVA (max)	480/240 Vac, 3P, 60Hz, 30 kVA (max)	480/240 Vac, 3P, 60Hz, 50 kVA (max) BU-1500P: 30 kVA (max)	480/240 Vac, 3P, 60Hz, 50 kVA (max)	480/240 Vac, 3P, 60Hz, 75 kVA (max)
Utility Interface (optional)	DNP3						
Building Interface (optional)	Johnson Controls <i>Metasys</i> ® system, ASHRAE BACnet®						
System Monitoring	Local and Remote						
Fire Detection	Tyco FAST2000™/2						
Fire Suppression	Novec™ 1230 Aerosol						
Operating Temperature	19°C to +27°C +66°F to +81°F						
Operating Humidity	5% – 85% Relative Humidity, Non-Condensing						
Enclosure	E-10	E-10	E-10	E-20	E-20	E-40	E-48
Approximate Weight	3000 / 6600	3800 / 8400	7100 / 15600	12200 / 26900	14700 / 32400	23600 / 52000	36000 / 79300 lbs

Storage System Enclosure Dimensions

Characteristic	E-10	E-20	E-40	E-48	Units
External Length	2.99	6.058	12.129		m
	10	20	40	48	ft
External Width	2.438	2.438	2.438	2.438	m
	8	8	8	8	ft
External Height	2.591	2.591 m (8.5 ft)	2.896	2.896	m
	8' 6"	8' 6"	9' 6"	9' 6"	ft
Empty Weight	1100	2000	3900	4800	kg
	2425	4409	8598	10582	lbs