

Energy Storage Systems



The Energport line of indoor commercial & industrial energy storage systems provides a fully integrated, turnkey energy storage solution. Leveraging lithium iron phosphate (LFP) battery technology utilized in hundreds of thousands of electric vehicles, Energport's solution provides an unparalleled degree of performance, safety and reliability. An integrated inverter provides for plug and play functionality, removing implementation burden and reducing installation costs.

All Energport systems come with web-based remote monitoring to ensure that the system is performing optimally and delivering the value expected by our customers.

Product Features

Safe Technology & Multi-level Protection

Lithium iron phosphate (LFP) chemistry provides the highest level of safety, thermal stability, and reliability;

An integrated, multi-level Battery Management System (BMS) monitors, optimizes, and balances system

Turnkey System

Fully integrated, pre-configured system reduces on-site installation time;

Package includes inverter, battery trays, software and enclosure

Built-in Energy Management System (EMS)

Built-in Energy Management System (EMS) that can be configured for backup power, self consumption and Time of Use

Warranty

10 years

Customization

Multiple power and energy configurations;

Modular, scalable design for precise project sizing

Financeability

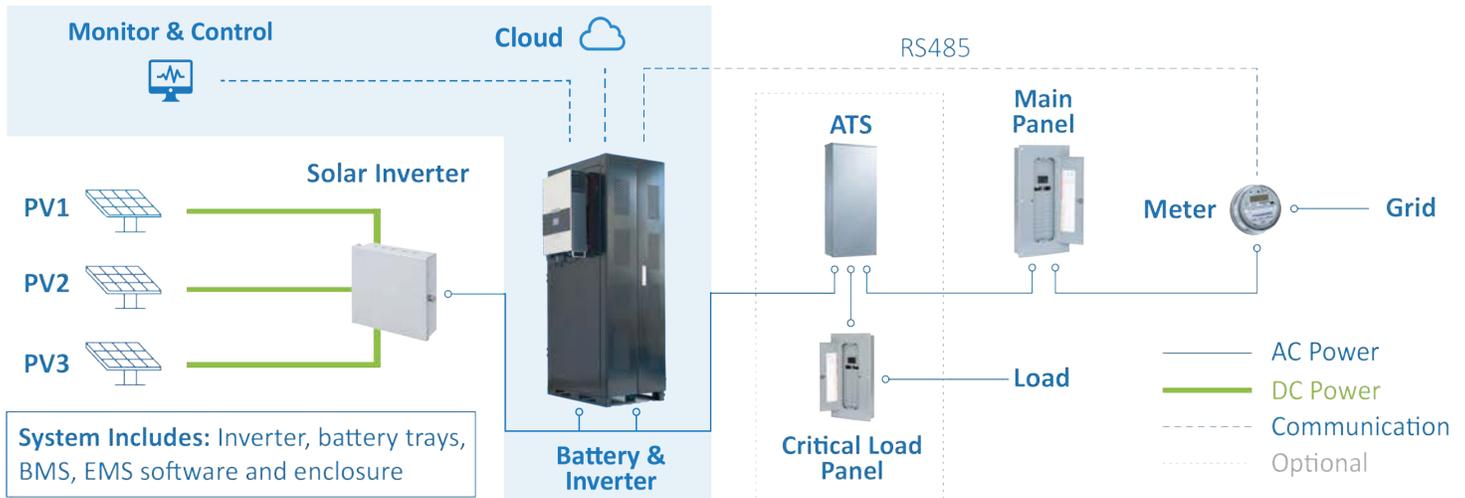
California SGIP qualified provider;

Flexible lease options

Certification

UN38.3, UL 1973, UL 1741-SA, UL 9540

System Schematic



Supported Applications

Resiliency. The system provides backup power during grid outages and prevents losses.

Solar Integration. The system stores excess solar energy produced during the day for use at another time.

Time of Use. The batteries charge during times of low-cost pricing, and discharge during high-cost times.

Demand Charge Management. The system will intelligently charge and discharge to reduce peak loads.

SYSTEM DATA	L3040	L3060	L6060	L30120
Nominal AC Voltage – 3 Phase*	480V/60Hz	480V/60Hz	480V/60Hz	480V/60Hz
Nominal Continuous Power Rating (kW AC)*	29	29	58	29
Usable Battery Capacity (kWh DC)	45	64.5	64.5	129
Nominal Duration of Discharge (Hours)*	1.5	2	1	4
Nominal Battery Voltage (Vdc)	256	358	358	717
DC Amp-hours (Ah)	180	180	180	180
System Round-Trip Efficiency (RTE%)	89%	89%	89%	89%
Dimension (D x W x H, In.)	40"x 24"x 80"	40"x 24"x 80"	40"x 24"x 80"	40"x 48"x 80"
Weight (lbs.)	1,100	1,500	1,600	3,020
Operating Temperature	32 °F - 131 °F			
Warranty	10 years; designed for daily cycling			
Certification	UN38.3, UL 1973, UL 1741-SA, UL 9540			
Enclosure Rating	IP20			
Installation Location	Indoor, floor-standing			
Communication Interface	RS485			
Operation Mode	On/off grid			
EMS Software & Control	Included; cloud-based web interface			

*alternate configurations available