

Containerized Energy Storage Systems



The Energport line of turnkey outdoor commercial and industrial and utility scale 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 and Energy Management System (EMS) provide for plug and play functionality by removing implementation burden and reducing installation costs. The systems are actively cooled and can operate in a wide range of outdoor temperature conditions.

All Energport systems come with web based remote monitoring and control 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;

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

Turnkey System

Fully integrated, pre-configured package system reduces on-site installation time; includes Inverter(s), battery trays, racks, BMS, EMS software, HVAC, fire suppression, isolation transformer and container

Built-in Energy Management System (EMS)

Built-in Energy Management System (EMS) that can be configured for power backup, demand charge management, PV integration, Time of Use

Warranty

10 years

Customization

Multiple power and energy configurations;
Modular, scalable design for precise project sizing

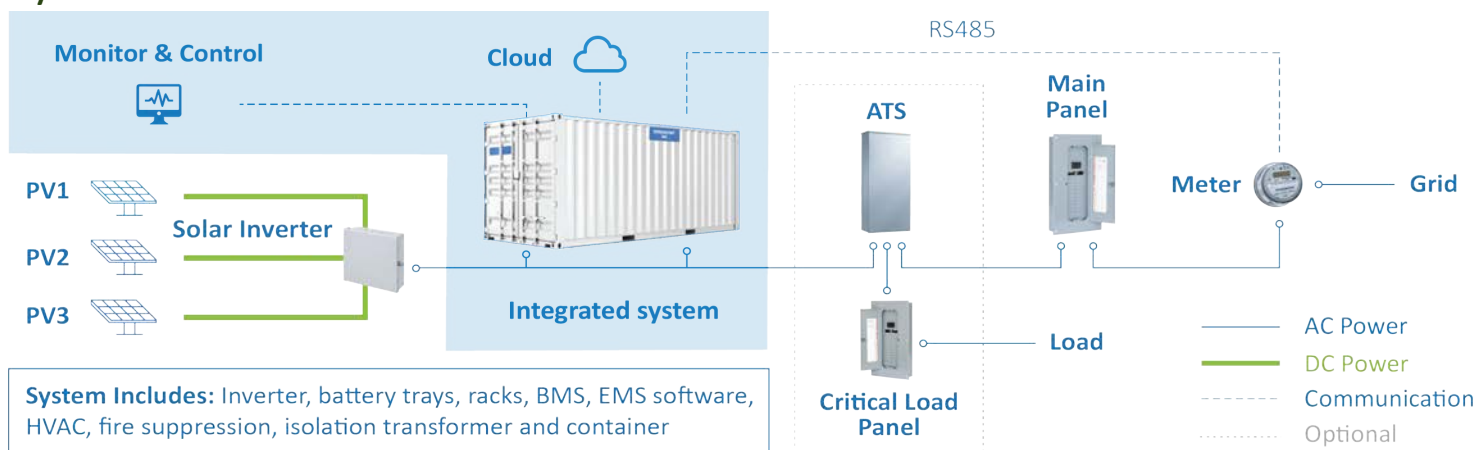
Financeability

California SGIP qualified provider; Flexible lease options

Certification

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

Frequency Regulation. The system can provide frequency regulation in wholesale markets.

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

SYSTEM DATA	L120240	L5001000	L20002000
Nominal AC Voltage – 3 Phase*	480V/60Hz	480V/60Hz	480V/60Hz
Nominal Continuous Power Rating (kW AC)*	120	500	2,000
Nominal Battery Capacity (kWh DC)	258	1,144	1,980
Duration of Discharge (Hours)*	2	2	1
Nominal Battery Voltage (Vdc)	358	666	768
DC Amp-hours (Ah)	720	1,728	3,456
System Round-Trip Efficiency (RTE%)	89%	89%	89%
Dimension (D x W x H, In.)	10' x 8' x 8.5'	20' x 8' x 8.5'	40' x 8' x 9.5'
Weight (tons)	5.5	15.7	42
Operating Temperature	32 °F - 131 °F		
Standard Warranty Length	10 years; designated for daily cycling		
Certification	UN38.3, UL 1973, UL 1741-SA, UL 1973 & UL 9540		
Enclosure Rating	IP54/NEMA 3R		
HVAC	Included		
Isolation Transformer	No	Yes	Yes
Fire Suppression	No	Yes	Yes
Operation Mode	On/Off Grid		
EMS Software & Control	Included; cloud-based web interface		

*alternate configurations available