

## Containerized Energy Storage Systems



The Energport line of turnkey outdoor commercial and industrial and utility scale energy storage system provides a fully integrated, turnkey 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 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 package system reduces on-site installation time; includes Inverter(s), battery trays, racks, BMS, EMS software, HVAC, fire suppression\*, isolation transformer\* and outdoor rated enclosure

#### Built-in Energy Management System (EMS)

Built-in Energy Management System (EMS) that can be configured for common applications such as power backup, demand charge management, PV integration, time of use

#### String Inverter Architecture

String inverter architecture provides superior redundancy, maximum uptime, and enhanced safety. Project economics are improved through more precise sizing and greatly simplified battery augmentation in future years

**Warranty** 5 year standard, 10 year extended

#### Customization

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

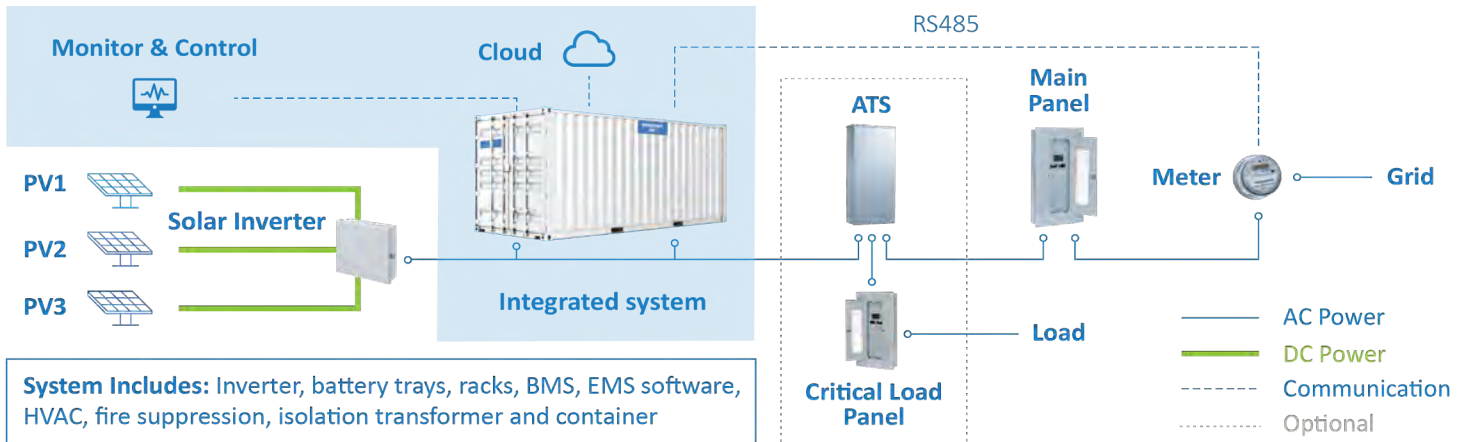
#### Financeability

California SGIP qualified provider; Flexible lease options

**Certification** UN38.3, UL9540A (cell) | UL 1973, UL 1741-SA, UL 9540 pending Q2 2021

\* Standard in 20' Containers

## Typical 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.

## Representative System Sizes

SYSTEM DATA	L90231	L150330	L250550	L5001300
Nominal AC Voltage – 3 Phase*	480V/60Hz	480V/60Hz	480V/60Hz	480V/60Hz
Nominal Continuous Power Rating (kW AC)*	90	150	250	500
Nominal Battery Capacity (kWh DC)	108	180	300	600
Duration of Discharge (Hours)*	2	2	2	2
Nominal Battery Voltage (Vdc)	358.4	768	656.5	768
Enclosure Rating	IP14/NEMA 3R			
Footprint	10' x 8'	10' x 8'	20' x 8'	20' x 8'
Weight (tons)	7.8	9.7	16.8	24
Operating Temperature	Charging: 0 - 55°C (32° - 131°F) Discharging: -20° - 55°C (-4° - 131°F)			
Standard Warranty Length	5 year standard, 10 year extended			
Certification	UN38.3, UL9540A (cell)   UL 1973, UL 1741-SA, UL 9540 pending Q2 2021			
HVAC	Included			
Isolation Transformer	No	Yes	Yes	No
Fire Suppression	No	No	Yes	Yes
Operation Mode	On/Off Grid			
EMS Software & Control	Included; cloud-based web interface			

\*alternate configurations available - refer to lineup card