

# Indoor Energy Storage Solutions

## **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**

#### **Multi-level Protection & Safest Chemistry**

An integrated, multi-level Battery Management System (BMS) monitors, optimizes, and balances system; Lithium iron phosphate (LFP) chemistry provides the highest level of safety, thermal stability, and reliability;

#### **Turnkey Solution**

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, time of use, demand charge management and non-export

#### Warranty

5 Years 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, UL 1973, UL 1741-SA, UL 9540

\* Compliant with latest grid and safety standards. Contact Energport specialists for more information



### **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	L3066	L3077	L30132		<b>L30</b> :	143
AC Voltage – 3 Phase*	480V/60Hz	480V/60Hz	480V/60Hz		480V/	'60Hz
Continuous Power Rating (kW AC)*	30	30	30		30	
Peak Power (1 min)	36	36	36		36	
Usable Battery Capacity (kWh DC)	66	77	132		143	
Nominal Duration of Discharge (Hours)*	2	2	4		4	Ļ
Nominal Battery Voltage (Vdc)	307.2	358.4	614.4		665	5.6
System Round-Trip Efficiency (RTE%)**	92% @ 0.5C / 93% @0.25C					
Dimension with Inverter (D x W x H, In.)	40"x 24"x 80"		40	40"x 48"x 80"		
Dimension with Inverter (D x W x H, mm)	600 x 1000 x 2000		1200	1200 x 1000 x 2000		
Weight with Inverter (lbs.)	1,945	2,154	3,741		3,9	51
Weight with Inverter (kg)	882	977	1,697		1,7	92
For All configurations			SCA		SOLUTIO	ONS
Recommended Operating Temperature	25 °C (77 °F) +/- 5°		The L3077	The L3077 and L30143 line of Indoor C&I Energy Storage Systems are modular and scalable so that energy and power can be custom tailored. Multiple units can be paralleled to form larger systems. Example configurations		
Operating Temperature	Charging: 0 - 55 °C (32 - 131 °F)		C&I Energy			
(>45 °C operation will reduce cell life)	Discharging: -20	modular an				
Cycle Life	6000 @25°C,	and power				
Warranty	5 year standard, 10 year extended		larger syste			
Certification	UL1973, UL1741-S		Units	kW	kWh	
EMS Controller	Included. Cloud-	L3077	2	60	154	
Installation Location	Indoor, floor -standing		L3077	6	180	462
Communication Interface / Standard	Modbus TCP p	L30143 L30143	2 3	60 90	286 429	

\* Alternate configurations available

\*\* AC to battery to AC @ BOL

