



Energy Storage System (ESS)

Product Overview

Stark's LithTech line of Energy Storage Systems are some of the safest, most energy dense, and smartest systems on the market today. Every system has a comprehensive 10 year warranty with performance assurance included.

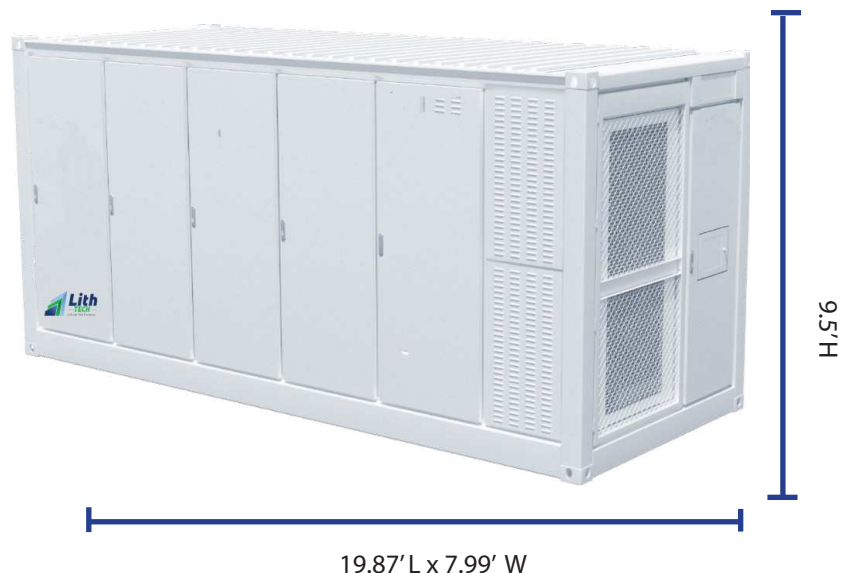
LithTech products are utility-grade and feature compact, robust designs that fit a multitude of commercial, industrial, and utility applications.

Product Features Include:

- -22° ~ 140°F ultra-wide operating temperature
- >94% Round trip efficiency
- Energy density >160kWh/kg
- Cycle life > 10000cls
- Prismatic cell | LFP Chemistry
- Liquid cooled
- UL9540 Certified
- UL9540a Tested

Key Features

- Can be installed in parallel with others, allowing over 1MWH taking up less than a 10'x10' footprint
- Liquid cooling allows for less mechanical stresses to the battery cell, allowing for standard 10,000+ cycle lifetime
- Up to 20% less parasitic loads than air cooled technology
- Designed with safety as the first priority. From the LFP battery chemistry to the internal safety architecture
- Factory installation, commissioning, O&M, LTSA, extended warranties, and economic dispatch
- Available with the LithTech Energy Asset Monitoring Platform (EAM) with live support from our 24/7 command center



	04HC-0344-DC	04HC-0368-DC	20HC-03440-DC	20HC-03686-DC
Cell Capacity	3.2V / 280 AH	3.2V / 300Ah	3.2V / 280 AH	3.2V / 300Ah
Battery Chemistry	Lithium Iron Phosphate (LFP)			
Rated Cell Life	70% Retention at 10,000 cycles (0.5C at 77°F)			
Configuration	IP3845			
Rated Voltage	1228.8V			
Rated Voltage Range	900.0 - 1401.6V			
Nominal Energy	344kWh	368kWh	3440kWh	3686kWh
Rated Charge/Discharge Ratio	0.5C/0.5C			
Max kW	172kW / kVA	184kW / kVA	1720kW / kVA	1843kW / kVA
Dimension (L*W*H)	4.26' L x 4.26' W x 5.54' H		19.87' L x 7.99' W x 9.5' H	
Weight	6,500lb	6,700lb	66,320lb	68,785lb
Cooling Method	Liquid Cooled			
Coolant Type	50% Water 50% Glycol			
Degree of Protection	IP55		IP54	
Energy Cycle Efficiency	> 94%			
Max Working Altitude	< 13,000ft			
Ambient Temperature Range	-22°F~ 140°F			
Product Certifications	IEC62619, UL9540A, UL1973, UL9540			
Communication Interfaces	RS485, Ethernet, GPRS			
Communication Protocols	DNP3.0, Modbus, IEC103, IEC104, Web API			

Skidded systems for fast Install & cost savings

LithTech has now begun manufacturing complete pre-engineered skidded systems that include switchgear, transformers, inverters, protective relaying, controls and batteries, right here in the USA.



Our goal is to be a one-stop shop with services and support designed to provide the most value to Engineers, Integrators, EPCs, Developers, and End Users.

