

# Fully Integrated Solutions for Maximized Returns

## JF2 4HR AC LINK

### Streamlined Energy Storage Systems

The JF2 4HR AC LINK is a complete BESS solution containing all components for a BESS within a single product that meets domestic content requirements, including batteries, PCS, liquid cooling systems, and EMS. Systems are conveniently designed to minimize site installation costs, time, and footprint, and maximize efficiency and uptime.



#### PRODUCT SPECIFICATIONS

##### Cell Technology

Lithium Iron Phosphate (LFP)

##### Nominal Energy

5.11 MWh

##### Nominal AC Power

1.32 MW

##### Nominal AC Voltage

690 Vrms

##### Maximum CP-Rate

0.25 CP (4h)

##### Weight

105,900 lb [48,000 kg]

##### Dimensions

23' W x 8.4' L x 9.5' H

[7.02m W x 2.57m L x 2.90m H]

##### Degree of Protection

IP55

##### Thermal Management

Liquid Cooling

##### Control Software

AEROS™ EMS (controls)

##### ENVIRONMENT

##### Operating Temperature Range

-22 ~ 122°F (-30 ~ 50°C)

##### Altitude

6,562 ft [< 2,000 m]

##### Seismic

SDS 1.2g

##### COMPLIANCE

##### Safety Features

Gas detection and active venting system, fire detection and alarm system, UL9540A and large-scale fire testing

##### Standards and Certifications

UL9540, UL1973, UL1624, UL1741 (SA, SB), IEEE1547, UN 38.3, NFPA 855, NFPA 69, NFPA 72, IFC/CFC

##### COMMISSIONING

##### Battery Cabling

Pre-assembled

##### PCS – Battery Cabling

Pre-assembled

##### MVTR – PCS Cabling

Assembled on-site by EPC

##### EMS

Installed on-site by EPC

##### Auxiliary Power Supply

Internally derived



Made in the USA



5.11 MWh AC block



Bankable Solution



Lifetime energy storage partnership

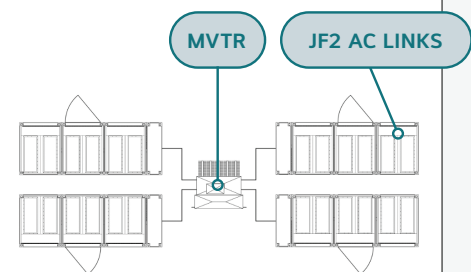


Complete warranty and O&M Services



Advanced EMS and analytics suite

#### Typical On-site Layout



# Fully Integrated Software Suite

## Flexible Plant Controls

The **AEROS™ software suite** offers controls, analytics, and monitoring for optimized site functionality of energy storage and hybrid power plants.

The suite is comprised of **AEROS™ EMS** and **AEROS™ Cloud**.



### AEROS™ EMS

On-site controls to manage your energy storage power plants. AEROS™ EMS can be used to dispatch active and reactive power and follow grid and market specific signals.



### AEROS™ Cloud

A portfolio of cloud-based tools that increases the value of your assets. Includes monitoring and analytics, ESS modeling, anomaly detection and energy market forecasting.

**The AEROS™ suite leverages proprietary battery data and enables seamless site control.**

- Robust and field-proven energy management system used in over 120 sites
- Customized controls for regional market functions
- Data historian and anomaly detection enables optimized energy market participation

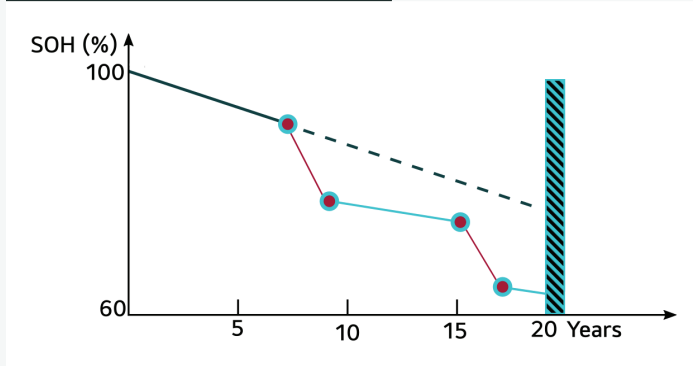
# The Flexibility to Achieve Your Long-Term Goals

## Long-Term Service Agreements

With our tiered service approach, we offer customers flexible service solutions that can support every need.

Services include preventative maintenance, predictive and degradation analytics, digital twin, cloud dashboard access, and more.

### FLEXIBLE ENERGY ASSURANCES



## Flexible Warranties

Our vertically integrated approach provides insight into battery functions and enables us to provide comprehensive system-level **warranties for up to 20 years backed by LG Energy Solution.** Additional system-level assurances include:

- **Flexible Energy Assurances** that enable annual warranty adjustment points based on actual system use
- **Availability Assurances** up to 99%
- **Round Trip Efficiency Assurances** ensuring peak system performance

**KEY**

- ▨ End of Warranty Period
- Warranty Adjustment Point
- Initial Usage Profile (1 cycle/day)
- Aggressive Usage (2 cycles/day)
- Mild Usage (1 cycle/2 days)