

Fully Integrated Solutions for AI Data Center Projects

The Integrated Data LINK

Streamlined Energy Storage Systems

The Data LINK is a complete BESS solution designed for data center support. It contains all components for a BESS within a single product for rapid deployment, including batteries, PCS, liquid cooling systems, and EMS. Systems are conveniently designed to achieve industry-leading speed-to-power, minimize site installation costs, time, and footprint, and maximize efficiency and uptime. Made in the USA, products meet domestic content requirements to qualify for tax credits.



PRODUCT SPECIFICATIONS

Cell Technology

Lithium Iron Phosphate (LFP)

Nominal Energy

5.11 MWh

Nominal AC Power

2.53 MW

Nominal AC Voltage

690 Vrms

Maximum CP-Rate

0.5 CP (2h)

Weight

112,000 lb [50,802 kg]

Dimension

29' W x 8.5' L x 9.5' H

[8.8m W x 2.6m L x 2.9m H]

Degree of Protection

IP55

Thermal Management

Liquid cooled

Control Software

AEROS™ EMS

ENVIRONMENT

Operating

Temperature Range

-22 ~ 122° F (-30 ~ 50° C)

Altitude

6,562 ft [< 2,000 m]

Seismic

SDS 1.2g (optional 1.5)

COMPLIANCE

Safety Features

Gas detection, active venting system, fire detection & alarms, UL9540A & large-scale fire testing

Standards and Certifications

UL9540, UL1973, UL1642, 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



99.999% Availability and High Up-Time



Instantaneous Power for Changing Loads



Industry Leading Speed-to-Power



Robust Software and Power Plant Controls

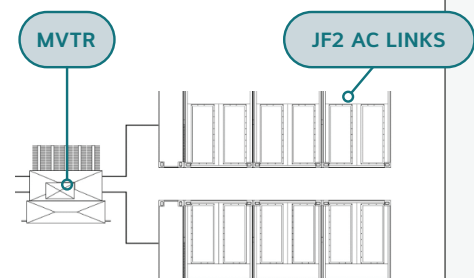


Lifetime energy storage partnership



Made in the USA and Qualifies for ITC

Typical On-site Layout



Optimized Approach for High Availability and High Uptime

Our offering is tailored to support the unique needs of AI data center projects. Designed to offer high availability and uptime ensure that data center energy storage systems respond nimbly to project demands.

Validation



Complete systems are simulated and undergo hardware-in-the-loop testing

Software



Power plant controls enable efficient operations. Advanced monitoring and alerts enable high uptime

Tailored Design for Advanced AI Data Center Support

Redundancy



Systems are designed with redundancy to guarantee high availability and uptime

Staffing



Dedicated 24/7 on-site service team supports system operations

Spare Parts



Spare parts warehoused on-site to ensure inventory for rapid site maintenance

Comprehensive Software and Service to Achieve Your Energy Goals

Service Approach

Our vertically integrated approach gives 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
- **High Availability and High Uptime** achieved through designed redundancies and advanced services
- **Round Trip Efficiency Assurances** ensuring peak system performance

Flexible Plant Controls

The **AEROS™ software suite** provides pre-integrated controls, optimization tools, and advanced analytical and monitoring capabilities for a software solution that optimizes site functionality of energy storage and hybrid power plants.

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