

5.11 MWh DC BLOCK

LIQUID-COOLED LFP BATTERY ENERGY STORAGE SYSTEM



SYSTEM HIGHLIGHTS

NOMINAL ENERGY

5.11 MWh

NOMINAL DC VOLTAGE

1,134V - 1,499V

MAXIMUM C-RATE

0.25 CP (4h)

THERMAL MANAGEMENT

Liquid Cooling

DEGREE OF PROTECTION

IP55

Made in the USA

5.11 MWh DC block

Bankable Solution

Lifetime energy storage partnership

Complete warranty and O&M Services

Advanced EMS and analytics suite

PRODUCT SPECIFICATIONS

Cell Technology

Lithium Iron Phosphate (LFP)

Nominal Energy

5.11 MWh

Nominal DC Voltage

1,134V-1,499V

Maximum C-Rate

0.25 CP (4h)

Weight

105,821 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

ENVIRONMENT & COMPLIANCE

Control Software

AEROS(TM) EMS (controls)

Operating Temperature Range

-22 ~ 122°F (-30 ~ 50°C)

Altitude

6,562 ft [< 2,000 m]

Seismic

SDS 1.2g

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

Assembled on-site by EPC

MVTR - PCS Cabling

Assembled on-site by EPC

EMS

Installed on-site by EPC

Auxiliary Power Supply

Internally derived