Certificate of Compliance

Certificate:	80257868	**Master Contract:**	302773
Project:	80285268	**Date Issued:**	2026-02-17
Issued to:	**Lunar Energy, Inc** **755 Ravendale Drive** **Mountain View, California** **94043** **United States** **Attention:** Lauren Del Gallego	**Issued by:**	*Jason Myers* Jason Myers, Energy Storage, Certifier II

The products listed below are eligible to bear the CSA Mark shown with adjacent indicator 'US'

US

PRODUCTS

Class 3701 88 BATTERIES - Electrical Energy Storage System - Certified to US Standard

Li-ion Battery Energy Storage System (ESS), AC ESS:

Model(s)
L2-ESS-10KWH, L2-ESS-15KWH, L2-ESS-20KWH*

*The L2-ESS-20KWH AC-ESS is evaluated for use with up to two (2) DC Expansion Units, Model LE-DC-UNIT. When used with the expansion units, the total system capacity may increase up to 30 kWh.

The AC energy storage system will consist of one Lunar inverter, a range of 2 to 4 modules with 2 optional expansion units (LE-DC-UNIT), and the associated trunk harness for the system.

Refer to following table for components of Pre-Engineered Matched Component ESS:

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Model	**AC ESS Models:** L2-ESS-10KWH, L2-ESS-15KWH, L2-ESS-20KWH
Inverter (Each system will contain one Inverter)	Model: 10-005025 (Quantity: 1)
DC Energy Storage System	Model: LE-DC-UNIT, Quantity: 2 to 4 modules with 2 optional expansion units

Electrical Ratings:
Refer to below table for the ratings of the Battery Energy Storage System:

AC ESS System Ratings					
Rating/Model	**L2-ESS-10KWH**	**L2-ESS-15KWH**	**L2-ESS-20KWH**		
			---	**(1) LE-DC-UNIT**	**(2) LE-DC-UNIT**
Energy storage capacity (maximum) (kWh)	10	15	20	25	30
Power output (maximum continuous) for each power port (kW) (Full Sun/No Sun)	9.6/5	9.6/7.5	9.6		
Output current (maximum continuous) (Amps)	40				
Output voltage (minimum and maximum) for each power port (Volts) (AC)	210-264				
Output voltage (Nominal) (Volts) (AC)	120/240 Split Phase				
Input/Output current (DC for PV) (Amps DC)	37.5 (PV), 30 (Battery)				
Input Power (PV) (Maximum) (kW DC)	15				
Frequency (Hz)	60				
Input short-circuit current rating (SCCR) (kA)	10				
Maximum overcurrent protective device rating (Amps)	50				
Output available fault current and time duration (A and Mili-Second)	952/3				
Weight of system lbs (kg)	305(139)	421(191)	540(245)	659(299)	778(354)

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Overall dimension of the system (H x W x D) in (mm)	34.8” x 24.4” x 13.5” (884 mm x 619 mm x 344 mm)	45.5’’ x 24.4’’ x 13.5’’ (1156 mm x 619 mm x 344 mm)	56.1” x 24.4’’ x 13.5’’(1425 mm x 344 mm) 619 mm x	66.8’’x 24.4’’ x 13.5’’ (1696 x 619 x 344 mm)	77.4’’x 24.4’’ x 13.5’’ (1967 x 619 x 344 mm)

Other Rating	
ESS Identification	AC ESS
ESS Type	Multi-part ESS
Special environmental ratings and limitations as applicable	Type 3R
Suppression system to be installed	N/A
Duty cycle	No duty cycle
Operating ambient temperature (°C)	4°F to 122°F (-20°C to 50°C) Performance may be de-rated at operating temperatures below 0°C (32°F) or greater than 45°C (113°F)
Maximum altitude ft (m)	Up to 9843 (3000)
Pollution degree	3
Overvoltage Category	III
Technology utilized in system	Lithium Iron Phosphate (LFP)
Minimum separation distances (mm)	From other ESS/Battery System: 6” From exposures (e.g. combustibles, structures): 6” From openings (e.g. windows, doors, HVAC inlets or other operable openings): 6”
Locations	Outdoor or Indoor, Residential Non-habitable spaces
Mounting	Floor or Wall mounted
Arc Flash Warning Label Detail (Note: Check NFPA 70E to verify what minimum marking detail needed)	
Not required for Residential installations	

APPLICABLE REQUIREMENTS

Standards Used	**Description**

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Standards Used	Description
ANSI/CAN/UL 9540:2023 - Third Edition	UL Standard for Safety Energy Storage Systems and Equipment

Conditions Of Acceptability

1. The installation was not evaluated. The ESS shall be installed in accordance with applicable local installation code NFPA 70, IEEE C2, ICC IFC, ICC IRC, NRC NFC, NFPA 1, NFPA 855 and etc. as applicable.
2. The altitude shall be less than 3000m.
3. Ratings for salt-fog were not declared; additional evaluation shall be considered for systems to be installed in marine applications.
4. The system was not evaluated for High Seismic activity locations; additional evaluation shall be considered to be installed in High seismic locations.
5. The maximum number of DC ESS Units is 2 to 4 with 2 optional expansion units (LE-DC-UNIT) per inverter.
6. The BESS is only to be installed in Residential locations in outdoor or indoor non-habitable spaces.
7. Overvoltage Category (OVC): 2
8. Pollution Degree(PD): 3

Markings

See Report

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Notes:

Products certified under Class(es) C370188 have been certified under CSA's ISO/IEC 17065 accreditation with the Standards Council of Canada (SCC). www.scc.ca

SCC Accredited CB-P/S OCPS Accrédité CCN TM

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Supplement to Certificate of Compliance

Certificate: 80257868 **Master Contract:** 302773

The products listed, including the latest revision described below, are eligible to be marked in accordance with the referenced Certificate.

Product Certification History

Project	Date	Description
80285268	2026-02-17	Update Lunar Energy's UL 9540 Report 80257868 to include alternative model designations: • L2-ESS-25KWH - change to L2-ESS-20KWH which includes (1) LE-DC-UNIT (expansion unit) • L2-ESS-30KWH - change to L2-ESS-20KWH which includes (2) LE-DC-UNIT (expansion unit). Includes updates to labels and docuemntation. Deliverable(s): Model Certification or Findings Letter
80257868	2025-12-19	Evaluation of Lunar Energy Storage System to CAN/UL 9540 - Energy Storage Systems and Equipment System Specifications: Capacity : 5-30kWH Dimensions: 1967 x 619 x 344 mm Mass: 354kg Configuration 2s3p Input Voltage 120/240Vac Output Voltage 120/240Vac Max Output Current: 40A DC Input Voltage max: 380 - 450 Vdc ESS Operating Temperature Range: -20C to 50C Deliverable(s): Model Certification or Findings Letter

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