Certificate of Compliance

Certificate:	80257867	**Master Contract:**	302773
Project:	80257867	**Date Issued:**	2025-12-03
Issued to:	**Lunar Energy, Inc** **755 Ravendale Drive** **Mountain View, California** **94043** **United States** **Attention:** Harshad Joshi	**Issued by:**	*Jason Myers* Jason Myers, Energy Storage, Certifier II

The products listed below are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US' for Canada and US or with adjacent indicator 'US' for US only or without either indicator for Canada only.

ANSI/CAN/UL 9540:2023 -
Third Edition

PRODUCTS

Class 3703 05 BATTERIES - Energy Storage System Subassembly
Class 3703 85 BATTERIES - Energy Storage System Subassembly - Certified to US Standard

DC ESS

Model(s)
LE-DC-UNIT

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Lithium-Ion DC Energy Storage System for use in stationary application, Model LE-DC-UNIT. The DC ESS has a voltage of 190-225V (DC+ and DC-) input/output on the main connector from the trunk harness to the DCDC PCBA. On the other side of the PCBA (BAT+ and BAT-) there is a low-voltage 16S1P battery cells circuit with 51.2V nominal voltage and 100Ah capacity.

Electrical ratings:

DC Energy Storage System Ratings

DC ESS Model: LE-DC-UNIT

Rated Capacity (kWh)	Maximum Continuous Current (A)	Min/Max Voltage(Vdc)	Input/Output Power (kW)	Input Short Circuit Current (kA)	Max Output Fault Current and duration (A/ms)	Enclosure Type Rating
5	14.5	190-225	2.5	10	1798/60	Type 3R

Other Ratings:

Duty Cycle	No duty cycle
Special environmental Ratings and limitations	Indoor and outdoor residential non-habitable locations.
Ambient temperature range F(C)	4° to 122° (-20° to 50°) Performance may be de-rated at operating temperatures below 0°C (32°F) or greater than 45°C (113°F).

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Elevation	Up to 3000m
Approximate Weight lb(kg)	106 (48)
Dimension (W x H x D) in (mm)	10.6 x 24.4 x 13.5 (270 x 619 x 344)
Suppression system installed	None
Technology utilized in system	LFP (Lithium Iron Phosphate)
Minimum separation distances in (cm)	Referenced in the final system installation.
ARC Flash Marking	Not required for residential, Risk assessment addresses ARC Flash assessment.
Maximum Overcurrent protection (A)	50

APPLICABLE REQUIREMENTS

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

Markings

See Report for Markings

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.

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4. Installations were not evaluated for High Seismic active areas.
5. Final separation distances should be addressed in the final system installation requirements.
6. The DC ESS is intended for stationary applications. ESS will be installed on site using a (PCS) Power Conversion System and additional components.
7. The DC ESS is considered a pollution degree (PD) 3 and an overvoltage category (OVC) III.
8. Power Conversion System is not a part of this evaluation. Further evaluation shall be considered on product when the ESS subassembly is integrated with the power conversion equipment.
9. The DC ESS is only intended to be used with the Lunar (PCS) Power Conversion System and the intended Lunar system installation design.

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Notes:

Products certified under Class(es) C370305, C370385 have been certified under CSA's ISO/IEC 17065 accreditation with the Standards Council of Canada (SCC). www.scc.ca

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Supplement to Certificate of Compliance

Certificate: 80257867 **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
80257867	2025-12-03	Evaluation of Lunar Energy Storage System to CAN/UL 9540 - Energy Storage Systems and Equipment (DC ESS) System Specifications: Capacity (kWh): 5kWh Dimensions (mm): 270 mm x 619 mm x 344 mm Mass (kg): 48kg Configuration (S/P): 16S1P Operating Voltage: 190 Vdc - 225 Vdc ESS Operating Temperature Range: -20C to 50C. Deliverable(s): Model Certification or Findings Letter

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