Certificate of Compliance

Certificate:	80121278	**Master Contract:**	302773
Project:	80250326	**Date Issued:**	2025-04-21
Issued to:	**Lunar Energy, Inc** **755 Ravendale Drive** **Mountain View, California** **94043** **United States** **Attention:** Taylor Mckenzie	**Issued by:**	*Peter Lim* Peter Lim

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

US

PRODUCTS

Class 5311 89 POWER SUPPLIES - Distributed Generation Power Systems Equipment - Certified to U.S. Standards

Microgrid Interconnect Device - Panelboard

Model(s)
90-06801A (a.k.a Lunar Bridge)

Electrical Ratings:

Maximum AC Current: 200A
Grid Frequency: 60 Hz
Nominal Voltage (ac): 120/240 V Split-phase
Maximum Main AC Overcurrent Protection rating: 200A
Maximum Solar Breaker rating: 50A

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Branch circuit bus rating (per stub rating): 200A

Maximum Number of branch circuits: 40
Enclosure Ratings Metal Enclosure: Type 3R

Ambient Operating Temp: -40°C to +60°C (-40°F to +140°F)
OVC IV, Pollution Degree 3
Maximum Short-Circuit Current Rating (SCCR): 22KA
Maximum Sum of the Short Circuit Current rating (SCCR): 22KA Main breaker Assembly

Conditions of Acceptability:

1. Total branch output current shall not exceed 200A (ac) Max.
2. Bare buses and connections are bare, connection shall meet either, the minimum spacings specified in Table 26.1 as per UL1741 spacing requirement or Table 16.1 of UL67 or CSA C22.2 No.29 Table 2 whichever is the highest.
3. All openings must meet the manufacturer's recommended fitting to meet the enclosure rating.
4. All listed insulation barriers and shields must be certified to minimum flame rating of V2 as per CSA 0.17(R2018) and/or UL94 unless otherwise stated in the critical component.
5. This evaluation does not include metering measurements, it is treated as an intent for internal system application only.
6. It is intended for use with Lunar Model: 10-005025 (a.k.a Lunar Inverter), and other Lunar associated safety approved devices only.
7. Where applicable for metering device, associated Electromagnetic Immunity tests are to be conducted at end system level.
8. When the Bridge is not used as a main panel (when the Bridge is not installed at the service entrance), the Neutral-to-Ground bonding wire MUST NOT be installed in the Bridge enclosure. Ensure that Neutral and Ground are properly bonded in the upstream equipment at the service entrance.
9. When the Bridge is to be used as the main panel, installation shall have Neutral-to-Ground bonding wire in the Bridge.
10. Conformal coating process as per document numbers 10-003104 and 10-003105 (See Att5 PCB Layouts).
11. If installed in environments with temperatures below 0°C, the circuit breaker in the panelboard should not be considered reliable for overload protection. Separate overload protection, as mandated by both CEC and NEC, must be implemented in such conditions.
12. The product's Power Line Communication (PLC) functionality and usage were not assessed as part of this evaluation. Should such functionality be required for the intended end-use application, a separate and dedicated evaluation shall be conducted.
13. Please refer to the verification of Conformity Letter 80233547 VOC for additional information on the Power Control System (PCS).
14. Construction of panel with service entrance rating:
    a. Main breaker shall be installed with accepted UL and/or CSA listed breaker, Square D QOM2200VH or smaller rating.
    b. Line side barrier shall be installed in line side terminal: UL recognized.
    c. Neutral is bonded to grounded by bonding jumper.
    d. The "service disconnection": label shall apply close to main breaker.

APPLICABLE REQUIREMENTS

UL 1741:2021 - Third Edition - Including revisions through October 23, 2024 - UL Standard for Safety Inverters, Converters, Controllers and Interconnection System Equipment for Use With Distributed Energy Resources

UL 3141 (Issue 1) - SUBJECT - UL Outline for Investigation for Power Control Systems

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Notes:

Products certified under Class(es) C531189 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

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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
80250326	2025-04-21	Update Report 80121278 (80219669) to include PCS measurement functionality and increase main breaker rating to 200A (Reference to further update on the Project 80122022 for Panel control) and based on completed project 80233547 for PCS. Also update model number from 90-001221 to new model number: 90-06801A.
80219669	2024-09-25	Update report 80121278 to include alternate Construction. (See attached Lunar Bridge Type B Impact analysis for details)
80121278	2024-05-04	To perform Model Certification to ESS Grid Interconnect Device used in Lunar Energy Rechargeable Lithium-Ion Battery Stationary Home Energy Storage Product.

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