Certificate of Compliance

Certificate: 80143537 **Master Contract:** 302773

Project: 80143537 **Date Issued:** 2024-04-02

Issued To: **Lunar Energy**
755 Ravendale Drive
Mountain View, California, 94043
United States

Attention: Jason Haer

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.

Issued by: *Peter Lim*
Peter Lim

C US

PRODUCTS

CLASS 5311 09 POWER SUPPLIES - Distributed Generation Power Systems Equipment
CLASS 5311 89 POWER SUPPLIES - Distributed Generation Power Systems Equipment- Certified to U.S. Standards

PV Combiner Box with Wireless Communication Device.

Model: Lunar Maximizer Hub

Electrical Ratings:
Maximum Rated Operating Voltage: 450V DC
Rated Maximum Current Per Terminal: 40ADC.
Max input current(dc) per PV String: 16A
Rated No. of Terminal: 3 Positive 3 Negative, 1 Ground
Maximum Ambient (°C): -40° to 85°C

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Enclosure Ratings: Polymeric, NEMA Type 3R
Elevation: 3000m (9843ft)
RH: 100%
OVC II, Pollution Degree 1
Maximum Short-Circuit Current Rating (SCCR): 20A Per input feed.
Maximum Sum of the short circuit current (SCCR): 50A
Maximum Overcurrent Protection rating: 16A per feed (located at the Maximizer, 50A breaker located at the ESS)
Enclosure Type: 3R

Conditions of Acceptability:

(1) The Maximizer Hub shall be installed only with Lunar Maximizers and Lunar Inverters.
(2) Total output current shall not exceed 50A (dc) Max.
(3) Upstream protection provided by Lunar Maximizer and output overcurrent protection and disconnect are provided by Lunar Inverter.
(4) Drain openings must meet the CSA C22.2 94.2 and UL50E openings requirement outlined for Type 3R enclosure.
(5) Up to a maximum of 3 strings can be connected to a single Maximizer Hub.
(6) To be used only with Lunar Maximizer and Inverter listed under 80136899 and 80121274 respectively.
(7) Watertight compression connector and water resistance gland must be used for conduit connection.
(8) Conduits for input and output cabling shall be mounted on either side or both sides and not on the top or the bottom of the enclosure.
(9) Electromagnetic immunity to be evaluated in the end system.
(10) Conduit and Cable Entry to be evaluated in the end installation (Refer to installation manual).
(11) The Max Input Current per terminal is labeled as 40A. However, in the Lunar System the Max current per PV String is 16A and three of such strings can be connected in parallel contributing to the combined string with Max output of Maximizer Hub of 37.5A which is an Input to the Lunar Inverter.
(12) Max input current(dc) per PV String shall be 16A which is limited by Maximizer.

APPLICABLE REQUIREMENTS

CSA C22.2 No. 290:19 (R2021)	-	Photovoltaic Combiners and Recombiners
CSA C22.2 No. 107.1: 2016	-	Power conversion equipment
UL 1741	-	Inverters, Converters, Controllers and Interconnection System Equipment for Use with Distributed Energy Resources (Third Edition, Revision Dated May 19, 2023)
UL 1741 CRD	-	PV Input Circuit Combiners and PV Combiner Boxes (Dated June 10, 2011)

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Notes:

Products certified under Class C531109 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

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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
80143537	2024-04-02	To perform Testing/Certification for Lunar's Combiner box evaluation (C/US).

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