



Letter of Attestation

Document: 80141502

Master Contract: 249143

Project: 80141502

Date Issued: September 23, 2022

Issued to: CSI Solar Co., Ltd.
199 Lushan Road, SND Suzhou
Jiangsu 215129
China

Attention: Guojun Zhang

*CSA Group hereby confirms that it has completed an evaluation of:
Transformerless Utility Interactive Inverter*

*Models CSI-7K-S22002-E, CSI-7K-S22002-ED, CSI-8K-S22002-E, CSI-8K-S22002-ED, CSI-9K-S22002-E,
CSI-9K-S22002-ED, CSI-7K-S22003-E and CSI-9K-S22003-E*

*CSA Group hereby attests that the products identified above and described
in test report 80141502 dated September 23, 2022
complies with the following standards/tests, to the extent applicable:*

*CSA C22.2 No. 107.1-16 - Power Conversion Equipment
UL 1741 - Inverters, Converters, Controllers and Interconnection System Equipment
for Use With Distributed Energy Resources
(Second Edition, Revision Dated February 15, 2018)*

*IEEE 1547-2003 (R2008) - IEEE Standard for Interconnecting Distributed Resources
with Electric Power Systems*

*IEEE 1547.1-2005(R2011) - IEEE Standard Conformance Test Procedures for Equipment
Interconnecting Distributed Resources with Electric Power Systems.*

Issued by: Henry Huan Henry Huan

CSA Group

The applicable tests performed as following:

| Requirement | Topic | Test Result | |
|-------------|-------|-------------|------|
| UL1741 | 43 | Temperature | Pass |



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| Requirement | | Topic | Test Result |
|--------------|----------|--|-------------|
| CSA 107.1-16 | 6.3 | Temperature (Normal) | Pass |
| UL1741 | 44 | Dielectric Voltage-Withstand Test | Pass |
| CSA 107.1-16 | 6.5 | Dielectric Strength | |
| IEEE 1547.1 | 5.5.3 | Dielectric test for paralleling device | Pass |
| UL1741 | 45 | Output Characteristics Test | Pass |
| CSA 107.1-16 | 14.3.2 | Output Ratings | |
| UL1741 | 47.2 | Output Overload Test | |
| CSA 107.1-16 | 6.6.1(e) | Overload | Pass |
| UL1741 | 47.3 | Short-Circuit Test | |
| CSA 107.1-16 | 14.3.9 | AC output short circuit current contribution tests | |
| UL1741 | 47.4 | DC Input Miswiring Test | |
| CSA 107.1-16 | 13.4.2 | DC Input Reverse Polarity Test | Pass |
| UL1741 | 47.5 | Ventilation Test | |
| CSA 107.1-16 | 6.6.1(c) | | |
| CSA 107.1-16 | 6.6.1(b) | Motor Locked | Pass |
| UL1741 | 47.6 | Component Short- and Open-Circuit | |
| CSA 107.1-16 | 6.6.7 | Component Faults | Pass |
| UL1741 | 47.8 | Loss of Control Circuit | |
| CSA 107.1-16 | 14.3.6 | | |
| UL1741 | 29 | Control Circuits | Pass |
| UL1741 | 48 | Grounding Impedance Test | Pass |
| CSA No 0.4 | / | Bonding of electrical equipment | |
| UL1741 | 59 | Static Load | Pass |
| UL50E | 8.6 | Hosedown test | Pass |
| CSA 107.1-16 | 14.3.4 | Test for response to abnormal voltage conditions (Before Surge Test) | Pass |
| IEEE 1547.1 | 5.2 | | |
| IEEE 1547.1 | 5.3 | Response to abnormal frequency conditions (Before Surge Test) | Pass |
| CSA 107.1-16 | 14.3.4 | | |
| IEEE 1547.1 | 5.4 | Synchronization (Before Surge Test) | Pass |



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| Requirement | | Topic | Test Result |
|--------------|----------|--|-------------|
| IEEE 1547.1 | 5.5.1 | Protection from electromagnetic interference (EMI) test | Pass |
| IEEE 1547.1 | 5.5.2 | Surge withstand performance test | Pass |
| IEEE 1547.1 | 5.5.2 a) | Surge Withstand on External signal and control Circuits | Pass |
| IEEE 1547.1 | 5.5.2 b) | Surge Withstand on EUT power circuits | Pass |
| CSA 107.1-16 | 14.3.4 | Test for response to abnormal voltage conditions at extreme temp (Spot check after Surge Test) | Pass |
| IEEE 1547.1 | 5.2 | | |
| IEEE 1547.1 | 5.3 | Response to abnormal frequency conditions at extreme temp (Spot check after Surge Test) | Pass |
| CSA 107.1-16 | 14.3.4 | | |
| IEEE 1547.1 | 5.4 | Synchronization (After Surge Test) | Pass |
| CSA 107.1-16 | 14.3.5 | Unintentional islanding | Pass |
| IEEE 1547.1 | 5.7 | | |
| CSA 107.1-16 | 10.5.3 | Limitation of dc injection | Pass |
| IEEE 1547.1 | 5.6 | | |
| IEEE 1547.1 | 5.9 | Open Phase Test | Pass |
| IEEE 1547.1 | 5.10 | Reconnect following abnormal condition disconnect | Pass |
| CSA 107.1-16 | 14.3.3 | Harmonics | Pass |
| IEEE 1547.1 | 5.11 | | |

Note:

- Due to the product limitation, only applicable tests of the listed standards were performed, refer to TIS report and Test data for the detailed test condition and product ratings.*

THIS LETTER OF ATTESTATION DOES NOT AUTHORIZE THE USE OF THE CSA MARK ON THE SUBJECT PRODUCTS.

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