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Letter Report No. 102525012LAX-001
Project No G102525012

Christopher R. Jones
Chilicon Power LLC
1563 Calle Patricia
Pacific Palisades, CA 90272

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Subject: Evaluation and testing of CP-250E-60/72-208/240-MC4 to update power ratings and to add an alternate AC connector to report # 100846617LAX-001

Dear Mr. Jones,

This letter report represents the results of our evaluation and testing of the above referenced product(s) to the requirements contained in the following standards:

- *UL 1741 Inverters, Converters, Controllers and Interconnection System Equipment for use with Distributed Energy Resources Issue: 2010/01/28 Ed:*
- *IEEE Std 1547.1, IEEE Standard Conformance Test Procedures of Equipment Interconnecting Distributed Resources with Electric Power Systems, dated July 1, 2005*

This investigation was authorized by Quote # Qu-00680706, dated 03/04/2016 to evaluate and to test micro-inverter model CP-250E-60/72-208/240-MC4 in order to update power ratings and to add an alternate AC connector to the listing report # 100846617LAX-001.

Intertek wishes to inform you that UL 1741 and IEEE 1547.1 testing to update power product's power ratings and to add an alternate AC connector has been completed and additional testing was found to be required in order to qualify the other changes made to the existing BOM.

The below listed represents a summary of the tests and results conducted per Quote # Qu-00680706.

Section Number	Test Description	Verdict
UL 1741		
43	Temperature	Pass
45.2	Output Ratings	Pass
45.3	Input Range	Pass
47.2	Abnormal Test - Output Overload Test	Pass
47.3	Abnormal Test - Short-Circuit Test	Pass
47.4	Abnormal Test - DC Input Miswiring Test	Pass
48	Grounding Impedance Test	Pass
Section Number	Test Description	Verdict
IEEE 1547.1		
5.11	Harmonics (208V setting)	Pass
5.11	Harmonics (240V setting)	Pass

During our evaluation, additional changes to the existing BOM were found. A new circuit was added for GFDI and additional testing was found to be required in order update listing report # 100846617LAX-001.

The below listed represents a summary of testing needed in order to include the new GFDI circuit and update the listing report:

Section Number	Test Description
UL 1741	
53	GFDI: Voltage Surge Test
54	GFDI: Calibration Test
55	GFDI: Overvoltage Test
56	GFDI: Current Withstand Test

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Issuance of this letter report completes the evaluation and the testing portion covered by quote # Qu-00680706 (Intertek Project No G102525012) performed according to UL 1741 and IEEE1547.1.

In responding, please provide a written record of your proposed resolutions numbered in accordance with the items outlined in this letter report. Responding in this way assures that all responses are properly identified.

If there are any questions regarding the results contained in this report, or any of the other services offered by Intertek, please do not hesitate to contact your dedicated Intertek Project Manager.

Completed by:	Amar Kacel	Reviewed by:	Steven Pasternack
Title:	Engineer	Title:	Reviewer
Signature:		Signature	
Date	04/25/2016	Date:	04/27/2016

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