



LETTER REPORT

Sparq

Scope of Works

PV Micro-inverter Q2000-4102 Efficiency Tests

Report No. US223X7Q.001

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Page 1

TUV Rheinland of North America, Inc.

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Project No. 234192166

Mr. Shangzhi Pan
Sparq
945 Princess St. Box 212
Kingston, ON K7L 0E9, Canada

Email: span@sparqsys.com

Subject: PV Micro-inverter Q2000-4102 Efficiency Tests

Dear Mr. Shangzhi Pan:

This letter report is to present the results of tests standard for the above equipment in accordance with the following standards:

- *EN 61683 : 2000* Photovoltaic systems - Power conditioners - Procedure for measuring efficiency

Efficiency measurement and loss measurement have been completed per the above standard.

If there are any questions regarding the results contained in this report, or any of the other services offered by TUV Rheinland of North America, Inc., please do not hesitate to contact the undersigned.

Please note, this letter report does not represent authorization for the use of any TUV Rheinland certification marks.

Evaluated by:

Reviewed by:

Zhiyong Hu
Principal Test Engineer
Email:zhu@us.tuv.com

Howard Liu
Manager, Power Electronics Segment – Americas
Email:hliu@us.tuv.com