

Date : 12/02/2022

Sparq
945 Princess St, Box 212
Kingston ON K7L 0E9
Canada

Attn: Shangzhi Pan

Re. : T License

Type of Equipment : Grid Support Utility Interactive PV micro-inverter
Model Designation : See Certificate
Certificate No. : T 72228212 0001
File No. : US22J2M8 001
Engineer/Contact : Zhiyong Hu
Standard(s) : IEC 62109-1:2010
IEC 62109-2:2011

Dear Madame or Sir,

The above referenced technical equipment has been tested and was found to be in compliance with the listed test requirement(s). Enclosed, please find the TUV Rheinland approval document No. T 72228212 0001. It authorizes you to label the listed product(s) with the TUV Rheinland Mark identified in the approval document. For compliance, the Test Mark must be on the approved unit.

Your product is subject to regular factory follow-up inspections as well as annual certificate and factory registration fees.

In using the TUV Rheinland Mark you are obligated to comply with the TUV Rheinland of North America Service Agreement.

If we can be of any further assistance to you, please do not hesitate to contact us.

Sincerely yours,
Certification Body

Dipl.-Ing. M. Glagla
QA Certification Officer

Enclosure

TUV Rheinland
of North America, Inc.

295 Foster St.
Suite 100
Littleton, MA 01460

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Member of
TUV Rheinland Group

Certificate



Certificate no.

T 72228212 01

License Holder:

Sparq
945 Princess St, Box 212
Kingston ON K7L 0E9
Canada

Manufacturing Plant:

OCM Manufacturing
2183 Thurston Dr.
Ottawa ON K1G 6C9
Canada

Test report no.: USA-ZH US22J2M8 001

Client Reference: Shangzhi Pan

Tested to: IEC 62109-1:2010
IEC 62109-2:2011

Certified Product: Grid Support Utility Interactive PV micro-inverter **License Fee - Units**

Model Designation: Q2000-4301

Rated Voltage: DC 20-60V

Rated Current: 4x 16A

Protection Class: I

AC Output Nominal Voltage: 380V, 400V, 50Hz

AC Output Nominal Current: 2.74A, 2.6A

AC Output Nominal Power: 1800W

Power Factor: 0 to +/- 0.999

Operating Ambient Temperature Range: -40°C to +65°C

contd.

Appendix: 1, 1-8

Licensed Test mark:



Date of Issue
(day/mo/yr)

01/12/2022

Certificate



Certificate no.

T 72228212 02

License Holder:

Sparq
945 Princess St, Box 212
Kingston ON K7L 0E9
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Manufacturing Plant:

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Test report no.: USA-ZH US22J2M8 001

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Tested to: IEC 62109-1:2010
IEC 62109-2:2011

Certified Product: Grid Support Utility Interactive PV micro-inverter **License Fee - Units**
contd.

Ingress Protection: IP 67

Special Remarks: Solely assessed to standards listed above.
To be installed in accordance with the license's
installation manual.

Licensed Test mark:



Date of Issue
(day/mo/yr)

01/12/2022