

# Certificate



Certificate no.

CU 72202186 01

**License Holder:**

Power-One Renewable Energy  
Solutions LLC  
4050 E Cotton Center Blvd., Bldg. 3  
Phoenix AZ 85040  
USA

**Manufacturing Plant:**

Power-One Italy S.P.A.  
Via San Giorgio 642  
52028 Arezzo  
Italy

**Test report no.:** USA-LL 31982722 004

**Client Reference:** Robert White

**Tested to:** UL 1741:2010 R2.18  
UL 62109-1:2014  
UL 1699B:2018  
CSA M-07:2013  
CAN/CSA-C22.2 No. 62109-1:16  
C22.2 NO. 107.1-16

**Certified Product:** Solar Grid Support Utility Interactive Inverter Units **License Fee -**

**Model Designation:**

7

**Inverter Power Module:**

- 1) PVS-166-TL-POWER-MODULE-1-US;
- 2) PVS-166-TL-POWER-MODULE-2-US;
- 3) PVS-175-TL-POWER-MODULE-1-US;
- 4) PVS-175-TL-POWER-MODULE-2-US  
(trademark: ABB)

**Wire Box:**

- 5) WB-SX-PVS-166-TL-US; 6) WB-SX2-PVS-166-TL-US;
- 7) WB-SX-PVS-175-TL-US; 8) WB-SX2-PVS-175-TL-US  
(trademark: ABB)

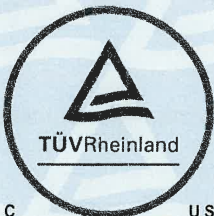
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**Appendix:** 2 (13 + 19 pages)

7

**Licensed Test mark:**

**Date of Issue**  
(day/mo/yr)  
13/07/2020





# Certificate



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CU 72202186 02

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C22.2 NO. 107.1-16

**Certified Product:** Solar Grid Support Utility Interactive Inverter **License Fee -**  
**Units**

contd.

Rated Voltage: DC 1500V max.  
Rated Current: 12x 22A max.  
Protection Class: I  
Rated Operating Ambient Temperature: -25°C to 60°C  
Type of Enclosure: NEMA 4X  
Output Ratings: 3 AC 800V Y/462V, 60Hz; 134Arms max.,  
1), 2), 5), 6) 166500W at 40°C Ambient Temp.  
3), 4), 7), 8) 185kW at 30°C Ambient Temp. /  
175kW at 40°C Ambient Temp.

contd.

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13/07/2020



# Certificate



Certificate no.

CU 72202186 03

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C22.2 NO. 107.1-16

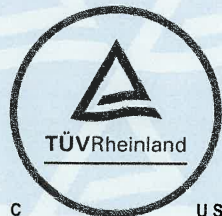
**Certified Product:** Solar Grid Support Utility Interactive Inverter **License Fee -**  
**Units**

contd.

**Special Remarks:** Also evaluated to

- UL 1741 Supplement SA for grid support functions, dated September 07, 2016;
- UL 1741 CRD: Supplement SA sections SA17 and SA18, Grid support utility interactive interoperability optional functions.  
Prevent enter service and limit active power (CA Rule 21, Phase 3, functions 2 and 3), dated October 22, 2019;
- IEEE 1547-2003 (R2008) and IEEE 1547.1-2005
- California Rule 21, Decision No. 16-06-052, CPUC Resolution E-5000, E-5036;

**Licensed Test mark:**



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**(day/mo/yr)**  
13/07/2020



# Certificate



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**Certified Product:** Solar Grid Support Utility Interactive Inverter **License Fee -**  
**Units**

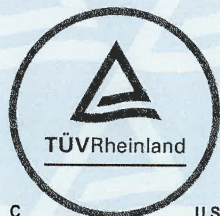
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**Special Remarks:**

- Hawaii Rule 14 Docket No. 2014-0192, SRD-UL-1741-SA-V1.1,  
dated September 26, 2017

To be installed according to the licensee's installation  
instructions. The inverter power modules are to be used  
with one of the wiring boxes.  
Replaces Certificate CU72191979.

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**(day/mo/yr)**

13/07/2020