

# Certificate



Certificate no.

CU 72191276 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  
Terranuova Bracciolini  
52028 (AR)  
Italy

**Test report no.:** USA- 31980211 002

**Client Reference:** Robert White

**Tested to:** UL 1741:2010 R2.18  
Subject 1699B No. 2 (01-14-2013)  
C22.2 NO. 107.1-16  
CSA M-07:2013  
UL 62109-1:2014  
CAN/CSA-C22.2 No. 62109-1:16

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

**Model Designation:** PVS-60-TL-xx-US (xx = S, SC, blank) 7  
(trademark: ABB)

**Rated Voltage:** DC 1000V max.  
**Rated Current:** 108A max.  
**Protection Class:** I  
**Rated Operating Ambient Temperature:** -20°C to 60°C  
**Type of Enclosure:** NEMA 4X  
**Output Ratings:** 3 AC 480V/277, 60Hz;  
77Arms max., 60 kVA max. total

contd.

**Appendix:** 1, 1-22

7

**Licensed Test mark:**



**Date of Issue**  
**(day/mo/yr)**  
26/04/2019



# Certificate



Certificate no.

CU 72191276 02

**License Holder:**

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Solutions LLC  
4050 E Cotton Center Blvd., Bldg. 3  
Phoenix AZ 85040  
USA

**Manufacturing Plant:**

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Via San Giorgio 642  
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52028 (AR)  
Italy

**Test report no.:** USA- 31980211 002

**Client Reference:** Robert White

**Tested to:** UL 1741:2010 R2.18  
Subject 1699B No. 2 (01-14-2013)  
C22.2 NO. 107.1-16  
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CAN/CSA-C22.2 No. 62109-1:16

**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,
- IEEE 1547-2003 (R2008) and IEEE 1547.1-2005

Per the following SRDs

- California Rule 21, Decision No. 16-06-052, and
- Hawaii Rule 14 Docket No. 2014-0192, SRD-UL1741-SA-V1.1.

To be installed according to the licensee's installation instructions. Replaces Certificate CU72190178.

Appendix: 1

**Licensed Test mark:**



**Date of Issue**  
**(day/mo/yr)**

26/04/2019



# Certificate



Certificate no.

CU 72191276 03

**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  
Terranuova Bracciolini  
52028 (AR)  
Italy

**Test report no.:** USA- 31980211 003

**Client Reference:** Robert White

**Tested to:** UL 1741:2010 R2.18  
Subject 1699B No. 2 (01-14-2013)  
C22.2 NO. 107.1-16  
CSA M-07:2013  
UL 62109-1:2014  
CAN/CSA-C22.2 No. 62109-1:16

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

**Addition:**

**Model Designation:**  
PVS-60-TL-xx-y-US (xx = S, SC, blank; y = R, blank)  
(trademark: ABB)

Appendix: 1, 1-23

**Licensed Test mark:**



**Date of Issue**

**(day/mo/yr)**

17/05/2019