

Certificate



Certificate no.

CU 72191979 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- 31982722 001

Client Reference: Robert White

Tested to: UL 1741:2010 R2.18
UL 62109-1:2014
Subject 1699B No. 2 (01-14-2013)
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 **License Fee -**
Units

Model Designation:

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:

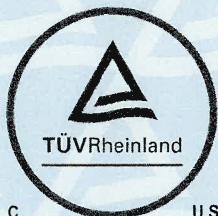
- 5) WB-SX-PVS-166-TL-US; 6) WB-SX2-PVS-166-TL-US;
- 7) WB-SX-PVS-175-TL-US; 8) WB-SX2-PVS-175-TL-US
(trademark: ABB)

contd.

Appendix: 1, 1-11

7

Licensed Test mark:



Date of Issue
(day/mo/yr)

27/06/2019

Certificate



Certificate no.

CU 72191979 02

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- 31982722 001

Client Reference: Robert White

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

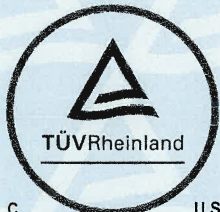
Certified Product: Solar Grid Support Utility Interactive Inverter **License Fee -**
Units

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.

Licensed Test mark:



Date of Issue
(day/mo/yr)

27/06/2019

Certificate



Certificate no.

CU 72191979 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- 31982722 001

Client Reference: Robert White

Tested to: UL 1741:2010 R2.18
UL 62109-1:2014
Subject 1699B No. 2 (01-14-2013)
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 **License Fee -**
Units

contd.

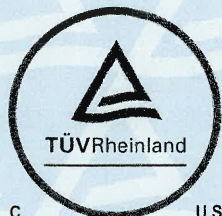
Special Remarks:

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. The inverter power modules are to be used with one of the wiring boxes.

Licensed Test mark:



Date of Issue
(day/mo/yr)

27/06/2019