

Certificate



Certificate no.

CU 72161649 01

License Holder:

Power-One Renewable Energy LLC
3201 E Harbour Drive
Phoenix AZ 85034
USA

Manufacturing Plant:

Power-One Renewable Energy LLC
3201 E Harbour Drive
Phoenix AZ 85034
USA

Test report no.: USA- 31680154 003

Client Reference: Robert White

Tested to: UL 1741:2010 R1.15
C22.2 NO. 107.1-01 (R2011)

Certified Product: Utility Interactive Inverter with GRID SUPPORT License Fee - Units

Model Designation:

- 1) ULTRA-1500-TL-OUTD-Y-US-690-ABCDE-FGHJKL- ZZZZ,
 - 2) ULTRA-1100-TL-OUTD-Y-US-690-ABCDE-FGHJKL- ZZZZ,
 - 3) ULTRA-750-TL-OUTD-Y-US-690-ABCDE-FGHJKL- ZZZZ
- (Y= 1-4; A= S,D,M; B= S,R; C= N,P; D= 2,4,D; E= R,T,I;
F,G,H,J,K,L= 1,0; Z= 0-9,A-Z;
for details, see Appendix (Constr. Data Form))

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(Trademark: ABB)

Rated Voltage: DC 1000V max.

Rated Current: 1) 2800A; 2) 2100A; 3) 1400A

Protection Class: I

Normal Operation Temperature Range: -40°C to +60°C contd.

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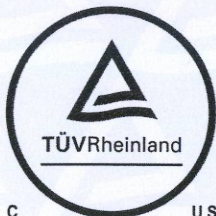
Appendix: 1, 1-37

Licensed Test mark:

Date of Issue

(day/mo/yr)

22/07/2016



Certificate



Certificate no.

CU 72161649 02

License Holder:

Power-One Renewable Energy LLC
3201 E Harbour Drive
Phoenix AZ 85034
USA

Manufacturing Plant:

Power-One Italy S.P.A.
Via San Giorgio 642
Terranuova Bracciolini
52028 (AR)
Italy

Test report no.: USA- 31680154 003

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contd.

Output Ratings: 1)-3) AC 690V, 59.3-60.5Hz
1) 1310A, 1.56MW max.
2) 983A, 1.17MW max.
3) 655A, 780kW max.

Special Remarks: To be installed according to the licensee's installation instructions. Also evaluated to UL 1741: Supplement SA (draft) dated May 19, 2015 for grid support functions also per Rule 21 smart inverter generating facility design and operating requirements and HECO requirement.

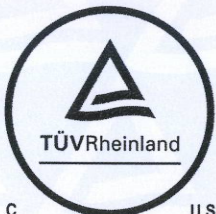
Additional Manufacturing Plant: see above (K748905) contd.

Licensed Test mark:

Date of Issue

(day/mo/yr)

22/07/2016



Certificate



Certificate no.

CU 72161649 03

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Certified Product: Utility Interactive Inverter with GRID SUPPORT License Fee - Units

contd.

Special Remarks [contd.]:

These inverters will have new nomenclature as
"Grid Support Utility Interactive Inverters".

SPECIAL PURPOSE UTILITY INTERACTIVE: In
co-ordination with the Area EPS, this unit can be adjusted
to deactivate IEEE 1547 Grid Interconnect settings and
activate NERC Reliability Standard PRC-024-1 voltage
and frequency settings certified by CSA.

Replaces Certificate CU72160992.

Licensed Test mark:

Date of Issue

(day/mo/yr)

22/07/2016

