

**C E R T I F I C A T E**  
of Conformity



**Registration No.:** AK 60096646 0001

**Report No.:** 28106923 001

**Holder:** Power - One Italy S.p.A.  
Via San Giorgio 642  
52028 Terranuova Bracciolini AR  
Italia

**Product:** Electrical Equipment  
Solar grid tied inverter

**Identification:** Trademark: ABB  
Model: ULTRA-1500-TL-OUTD-Y-CE-690-ABCDE-FGHJKL-ZZZZ  
ULTRA-1100-TL-OUTD-Y-CE-690-ABCDE-FGHJKL-ZZZZ  
ULTRA-750-TL-OUTD-Y-CE-690-ABCDE-FGHJKL-ZZZZ

where Y and ABCDE-FGHJKL-ZZZZ identify the model configuration as shown in the continuation sheet of this Certificate.

**Tested acc. to:** IEC 62109-1:2010  
EN 62109-1:2010

The certificate of conformity refers to the above mentioned product. This is to certify that the specimen is in conformity with the assessment requirement mentioned above. This certificate does not imply assessment of the production of the product and does not permit the use of a TÜV Rheinland mark of conformity.

**Date** 19.09.2014

Certification Body

A handwritten signature in blue ink, appearing to read 'Marco Piva'.  
**Marco Piva**



**TÜV Rheinland LGA Products GmbH - Tillystraße 2 - 90431 Nürnberg**

**Registration No.: AK 60096646 0001**
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**Continuation sheet 1**
**MODEL CONFIGURATION FOR ULTRA-X-TL-OUTD-Y-CE-690-ABCDE-FGHJKL-ZZZZ:**

| Product line | Model (NOTE1) | No isolation transformer | For outdoor use | Power option (NOTE2) | 50Hz, CE model | 690Vac 3-Phase delta | Standard options (NOTE3) | Standard options (NOTE4) |
|--------------|---------------|--------------------------|-----------------|----------------------|----------------|----------------------|--------------------------|--------------------------|
| ULTRA        | -X            | -TL                      | -OUTD           | -Y                   | -CE            | -690                 | -ABCDE-FGHJKL            | -ZZZZ                    |

NOTE1 – X is a code for model output power, and may be 750 (780 kW), 1100 (1170 kW), or 1500 (1560 kW)

NOTE2 -1 indicates active power = apparent power, standard model. -3 indicates high-efficiency model.

NOTE3 -ABCDE-FGHJKL is a code to identify the list of option. See STANDARD OPTION table for more information.

NOTE4 -ZZZZ is a unique number to customized products. Having "0" here means no further customization has been done.

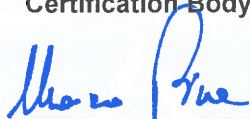
**STANDARD OPTIONS:**

| Option | Description                     | Available options       |  |                 |
|--------|---------------------------------|-------------------------|--|-----------------|
|        |                                 | S = Single Master/Slave | M = Multiple MPPT Resistive grounding only | \\              |
| A      | MPPT                            | S = Single Master/Slave | M = Multiple MPPT Resistive grounding only | \\              |
| B      | Grounding                       | S = Solid               | R = Resistive                              | F = Floating    |
| C      | Array configuration             | N = Negative gnd        | P = Positive gnd                           | \\              |
| D      | Fuse block (max fuse size)      | 2 = 200 Amps            | 4 = 400 Amps                               | \\              |
| E      | Communication                   | R = Modbus RTU          | T = Modbus TCP                             | I = Ethernet IP |
| F      | Zone level monitoring           | 1=Yes                   | 0 = No                                     | \\              |
| G      | Programmable MPPT sweep         | 1=Yes                   | 0 = No                                     | \\              |
| H      | IR window                       | 1=Yes                   | 0 = No                                     | \\              |
| J      | Leakage current monitor         | 1=Yes                   | 0 = No                                     | \\              |
| K      | Array ground insulation monitor | 1=Yes                   | 0 = No                                     | \\              |
| L      | Cable glands                    | 1=Yes                   | 0 = No                                     | \\              |

Date: 19.09.2014

Certification Body

Signature :



Marco Piva


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