

# Certificate



Registration No.: AK 60118270 0001 Page 1

Report No.: 28109140 008

**License Holder:**

Power-One Italy S.p.a.  
Via S. Giorgio, 642 –  
52028 Terranuova Bracciolini (AR)  
Italy

**Product:**

Grid Tied Inverter

**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 show in the continuation sheet of this certificate

**Basis:**

- NORMA TÉCNICA DE  
SEGURIDAD Y CALIDAD DE  
SERVICIO**  
Diciembre de 2015
- NORMA TÉCNICA DE  
CONEXIÓN Y OPERACIÓN DE  
PMGD EN INSTALACIONES DE  
MEDIA TENSIÓN**  
Septiembre de 2015

Certification Body

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

M. Piva



22.03.2017

**TÜV Rheinland LGA Products GmbH, Tillystrasse 2, D-90431 Nürnberg**

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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.

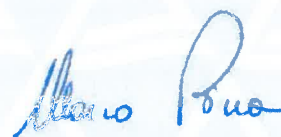
NOTE3 -ABCDE-FGHJKL is a code to identify the list of option. See STANDARD OPTION table for more information.

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	F = Floating
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	\\

Certification Body



M. Piva



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