

# Certificate

Registration No.: AK 60146824 0001 Page 1/2

Report No.: 28113102 003

**License Holder:**

POWER-ONE ITALY S.P.A.  
Via S. Giorgio, 642  
52028 Terranuova Bracciolini (AR)  
Italy

**Product:**

Solar Grid Tied Inverter

**Trademark:**

ABB

**Manufacturing Plant(s) \*:**

POWER-ONE ITALY S.P.A.  
Via S. Giorgio, 642  
52028 Terranuova Bracciolini (AR)  
Italy

**Model:**

TRIO-5.8-TL-OUTD-400  
TRIO-5.8-TL-OUTD-S-400  
TRIO-7.5-TL-OUTD-400  
TRIO-7.5-TL-OUTD-S-400  
TRIO-8.5-TL-OUTD-400  
TRIO-8.5-TL-OUTD-S-400

**Basis:**

- CEI 0-21: 2019-04**  
"rules for the connection to the  
LV electrical Utilities"
- Factory Inspection \*\***  
To document the consistent quality of  
the product factory inspection are  
performed periodically.

**Remarks:**

\* The SUB-Manufacturing plants are under a periodic factory surveillance program which is documented in inspection report.

\*\* The report of the factory inspection includes the requirements of GSE applicative rules.

In detail: visit has been performed to each factory and inspection of manufacturing process and components' check have been performed in order to guarantee a constant quality level as used for type test for compliance to CEI 0-21, for LV connection.

Components' check has been based on the list of critical components indicated in the test report issued for type test for compliance to CEI EN 62109-1 (test report issued by an accredited testing Laboratory recognized under ILAC agreement).

Certification Body



M. Piva



07.02.2020

TÜV Rheinland LGA Products GmbH, Tillystrasse 2, D-90431 Nürnberg  
Contact: + 49 221 806 2477 email: service@de.tuv.com

**OGGETTO:** Dichiarazione di conformità alla normativa CEI 0-21:2019-04  
 “Regola tecnica di riferimento per la connessione di Utenti attivi e passivi alle reti BT delle imprese distributrici di energia elettrica”  
**SUBJECT:** Declaration of Conformity to CEI 0-21:2019-04  
 “Reference technical rules for the connection of active and passive users to the LV electrical Utilities”



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**TIPOLOGIA DI APPARATO A CUI SI RIFERISCE LA DICHIARAZIONE:**  
**TYPE OF APPARATUS WHICH THE DECLARATION IS REFERRED TO:**

| DISPOSITIVO DI INTERFACCIA<br>Interface Device | PROTEZIONE DI INTERFACCIA<br>Interface Protection Device | DISPOSITIVO DI CONVERSIONE STATICA<br>Static Conversion Device | DISPOSITIVO DI GENERAZIONE ROTANTE<br>Rotating Device |
|--|--|--|---|
| <input checked="" type="checkbox"/> (*)        | <input checked="" type="checkbox"/> (*)                  | <input checked="" type="checkbox"/>                            | <input type="checkbox"/>                              |

(\*) Only for model with power < 6KW.

|   |   |  |  |
|---|---|--|--|
| <b>Costruttore</b><br>Manufacturer                      | POWER-ONE ITALY S.P.A.<br>Via S. Giorgio, 642 – 52028 Terranuova Bracciolini (AR) - Italy |  |  |
| <b>Modello/Tipo</b><br>Model/Type                       | TRIO-5.8-TL-OUTD-400<br>TRIO-5.8-TL-OUTD-S-400  | TRIO-7.5-TL-OUTD-400<br>TRIO-7.5-TL-OUTD-S-400 | TRIO-8.5-TL-OUTD-400<br>TRIO-8.5-TL-OUTD-S-400 |
| <b>Potenza Attiva Nominale</b><br>Nominal Power         | 5800W<br>(5220W at cosφ = ±0.9)   | 7500W<br>(6750 W at cosφ = ±0.9)               | 8500W<br>(7650 W at cosφ = ±0.9)               |
| <b>Max. Potenza Apparente</b><br>Maximum Apparent Power | 5800VA  | 7500VA   | 8500VA   |
| <b>Max. Potenza Reattiva</b><br>Maximum Reactive Power  | 5800VAR   | 7500VAR  | 8500VAR  |

**Update Version: not less than 1925A**

**Firmware release** "update version" identifies the Bundle Firmware Features by a sequential code: xxxx (where xxxx is a number and y is a letter from A to G)

**Numero di Fasi**  
Number of Phases Trifase / Three-phase

**Note**  
Remarks Il dispositivo è in grado di limitare la I<sub>dc</sub> allo 0,5% della corrente nominale.  
The device is capable to limit the I<sub>dc</sub> to 0,5 % of the nominal current

**Laboratorio di Prova**  
Test Laboratory TÜV Rheinland Italia S.r.l - Via Mattei 3 - 20010 - Pogliano Milanese (MI) – Italy  
Accreditamento ACCREDIA N. 1356

**Esaminati i Fascicoli Prove N.:**  
28113102 003 emesso da TÜV Rheinland Italia S.r.l (Accreditamento ACCREDIA N. 1356);  
Having assessed the Test Files N.  
28113102 003 issued by TÜV Rheinland Italia S.r.l Veneto (ACCREDIA Accredited N. 1356);

si dichiara che i prodotti indicati soddisfano i requisiti della CEI 0-21:2019-04 “Regola tecnica di riferimento per la connessione di Utenti attivi e passivi alle reti BT delle imprese distributrici di energia elettrica”  
we declare that the products indicated meet the requirements laid down by CEI 0-21:2019-04 “Reference technical rules for the connection of active and passive users to the LV electrical Utilities”

**Validità della dichiarazione**  
Validity of the Declaration Questa Dichiarazione è valida per i prodotti indicati, così come descritti nei Fascicoli citati. Nuovi requisiti o emendamenti a requisiti esistenti, così come modifiche ai prodotti, possono implicare nuove verifiche e certificazioni.  
This Declaration is valid only for the products indicated herein, as described in the Files mentioned. New requirements or amendment to existing ones, or modifications to the product, may imply re-verification and re-certification.

**Date:** 07.02.2020

**Certification Body**

**Signature :** \_\_\_\_\_