

C E R T I F I C A T E

of Conformity



Registration No.: AK 60149667 0001

Report No.: 28119545 001

Holder: Fronius International GmbH
Günter-Fronius-Str. 1
4600 Thalheim bei Wels
Austria

Product: PV-Inverter
Grid Tied Inverter

Identification: Fronius Symo Hybrid 3.0-3-S
Fronius Symo Hybrid 4.0-3-S
Fronius Symo Hybrid 5.0-3-S

Trademark: FRONIUS

Tested acc. to: CEI 0-21:2019-04

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 28.05.2020

Certification Body



TÜV Rheinland LGA Products GmbH - Tillystraße 2 - 90431 Nürnberg

Annex to Certificate

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Report No.: 28119545 001

License Holder:

FRONIUS International GmbH
Guenter Fronius-Strasse1
4600 Thalheim bei Wels
Austria

Product:

Grid Tied Inverter

Trademark:

FRONIUS

Manufacturing Plant(s):

FRONIUS International GmbH
Fronius Strasse 5
4642 Sattledt
Austria

Model:

Fronius Symo Hybrid 5.0-3-S
Fronius Symo Hybrid 4.0-3-S
Fronius Symo Hybrid 3.0-3-S

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 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 and CEI EN 62109-2 (test report issued by an accredited testing Laboratory recognized under ILAC agreement).

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

Costruttore
Manufacturer

FRONIUS International GmbH
Gunter Fronius-Strasse1 4600 Thalheim bei Wels – Austria

Modello/Tipo
Model/Type

Potenza Attiva Nominale @cosφ:0.9 (P_{NINV})
/Nominal Power
[W]

Max. Potenza Apparente (S_{MAX})
/Maximum Apparent Power
[VA]

Fronius Symo Hybrid 3.0-3-S
Fronius Symo Hybrid 4.0-3-S
Fronius Symo Hybrid 5.0-3-S

2700
3600
4500

3000
4000
5000

Firmware release

Display Software: V 0.3.23.0
Power stage: V 0.25.7.0
Filter: V 0.9.12.1

Numero di Fasi
Number of Phases

Trifase / Three-phase

Note
Remarks

Il dispositivo è in grado di limitare la I_{dc} allo 0,5% della corrente nominale.
The device is capable to limit the I_{dc} to 0,5 % of the nominal current

Laboratorio di Prova
Test Laboratory

TÜV Rheinland Italia S.r.l. (Accreditamento ACCREDIA N. 1356 L)

Esaminati i Fascicoli Prove N./ Having assessed the Test Files N.:

28119545 001 emesso da TÜV Rheinland Italia S.r.l. / 28119545 001 issued by TÜV Rheinland Italia S.r.l

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.