

Certificate



Registration No.: AK 60118164 0001 Page 1/2

Report No.: 28110406 001

License Holder:

FRONIUS International GmbH
Guenter Fronius-Strasse 1
4600 Thalheim bei Wels
Austria

Product:

Grid Tied Inverter with storage system

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

Fronius Symo Hybrid may be installed with:
Fronius Solar Battery 4.5
Fronius Solar Battery 6.0
Fronius Solar Battery 7.5
Fronius Solar Battery 9.0
Fronius Solar Battery 10.5
Fronius Solar Battery 12.0

Basis:

CEI 0-21: 2016-07
"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).

17.03.2017

Certification Body



M. Piva

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 0-21:2016-07
 "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 0-21:2016-07
 "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
 Guenter Fronius-Strasse1 4600 Thalheim bei Wels – Austria

Modello/Tipo
ModelType

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

Capacity of the storage system (CUS)
[kWh]

Nominal Charging/Discharging Power
[W]

Fronius Solar Battery 4.5
 Fronius Solar Battery 6.0
 Fronius Solar Battery 7.5
 Fronius Solar Battery 9.0
 Fronius Solar Battery 10.5
 Fronius Solar Battery 12.0

3600
4800
6000
7200
8400
9600

2400
3200
4000
4800
5600
6400

Firmware release

Display Software: V 0.3.13.4; Powerstage: 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)

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

28110406 001 emesso da TÜV Rheinland Italia S.r.l. / 28110406 001 issued by TÜV Rheinland Italia S.r.l

si dichiara che i prodotti indicati soddisfano i requisiti della CEI 0-21:2016-07 "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 0-21:2016-07 "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: 17.03.2017

Certification Body

Signature :

M. Piva



TÜV Rheinland LGA Products GmbH – Tillystraße 2 – 90431 Nürnberg