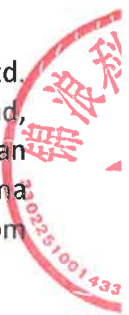




Ginlong Technologies Co., Ltd.
 No.57 Jintong Road,
 Binhai Industrial Park – Xiangshan
 Ningbo – Zhejiang Province, 315712 – P.R. China
 Tel: (+86) 574 6580 2188 – info@ginlong.com



Dichiarazione di conformità alle prescrizioni della Norma CEI 0-21
Declaration of conformity to the requirements of the standard CEI 0-21

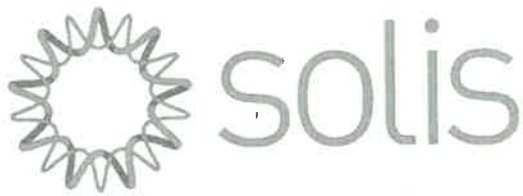
TIPOLOGIA DEL SISTEMA DI ACCUMULO CUI SI RIFERISCE LA DICHIARAZIONE:
TYPE OF STORAGE SYSTEM TO WHICH THIS DECLARATION REFERS:

| DISPOSITIVO DI INTERFACCIA INTERFACE DEVICE | PROTEZIONE DI INTERFACCIA INTERFACE PROTECTION | DISPOSITIVO DI CONVERSIONE STATICA STATIC CONVERSION DEVICE | DISPOSITIVO DI GENERAZIONE ROTANTE ROTARY GENERATING DEVICE |
|--|---|--|--|
| Si/Yes | Si/Yes | Si/Yes | No |

| COSTRUTTORE: MANUFACTURER | MODELLO DI INVERTER: INVERTER MODEL | VERSIONE FIRMWARE: FIRMWARE VERSION: | NUMERO DI FASI (monofase/trifase) NUMBER OF PHASE (single/triphas) | POTENZA NOMINALE DI CARICA/SCARICA: CHARGE/DISCHARGE NOMINAL POWER Psn/Pcn [W] | POTENZA MASSIMA DI CARICA/SCARICA: CHARGE/DISCHARGE MAX POWER Psmax/Pcmax[W] | CORRENTE MASSIMA DI CARICA/SCARICA CHARGE/DISCHARGE MAX CURRENT [A] |
|---|--|---|---|--|--|---|
| Ginlong Technologies Co., Ltd. No. 57 Jintong Road, Binhai Industrial Park – Xiangshan Ningbo – Zhejiang Province, 315712 – P.R. China | RHI-3P5K-HVES-5G | A2 o superior or upper | Trifase Three-phase | 5000 | 5000 | 25 |
| | RHI-3P6K-HVES-5G | | | 6000 | 6000 | 25 |
| | RHI-3P8K-HVES-5G | | | 8000 | 8000 | 25 |
| | RHI-3P10K-HVES-5G | | | 10000 | 10000 | 25 |

Gli inverter suddetti sono certificati in combinazione con una delle seguenti opzioni di batteria al Litio:
The inverters here above listed are certified according with one of the following options of Lithium Battery:

| COSTRUTTORE: MANUFACTURER | MODELLO SOTTOSISTEMA DI ACCUMULO SUBSYSTEM STORAGE MODEL | Numero di moduli batteria per singola pila collegati in serie Number(s) of battery module for single pile series connected | Capacità del sistema di accumulo (CUS) [Wh] Storage system capacity (CUS) [Wh] |
|------------------------------|---|---|--|
| Pylontech | PowerCube X1/X2/H1/H2 | SC0500 (BMS) | N ⁽¹⁾ x n. di moduli batteria x 2400 N ⁽¹⁾ x n. of battery modules x 2400 |
| | | SC1000 (BMS) | |
| | | SC0500 (BMS) | n da 4 a 11 n from 4 to 11 |
| | | SC1000 (BMS) | |



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| | | | | |
|-----------|----------|---------------------------|-----------------------------|--|
| Pylontech | Force H1 | FC0500-40S (BMS) | n da 4 a 7 n from 4 to 7 | N ⁽¹⁾ x n. di moduli batteria x 3552 N ⁽¹⁾ x n. of battery modules x 3552 |
| | | FH48074 (Modulo/Modul) | | |
| | Force H2 | FC0500M-40S (BMS) | n da 2 a 4 n from 2 to 4 | N ⁽¹⁾ x n. di moduli batteria x 3552 N ⁽¹⁾ x n. of battery modules x 3552 |
| | | FH9637M (Modulo/Modul) | | |
| | Force H3 | FC1000 (BMS) | n da 2 a 5 n from 2 to 5 | N ⁽¹⁾ x n. di moduli batteria x 5120 N ⁽¹⁾ x n. of battery modules x 5120 |
| | | FH10050 (Modulo/Modul) | | |

(1) E' possibile installare fino a N = 6 pile in parallelo - It is allowed to install up to N = 6 piles (parallel connected)

Il generatore – The generator:

- ✓ è idoneo per installazione in impianti con potenza superiore a 11,08 kW - It is suitable for installation in systems with a power greater than 11.08 kW
- ✓ È in grado di limitare la Idc allo 0,5% della corrente nominale - It is able to limit the Idc to 0.5% of the rated current:
- ✓ utilizza una funzione di protezione sensibile alla corrente continua - Uses a DC sensitive protection feature
- utilizza un trasformatore operante alla frequenza di rete- Uses a transformer operating at the mains frequency

Esaminati i Fascicoli Prove n° 50387786 003, emessi dal laboratorio TÜV Rheinland (Shanghai) Co.; Ltd.

In conformità a quanto previsto dalla CEI 0-21; V2 del 01-2024, all'allegato Bbis 2.2 che consente l'estensione della certificazione suddetta a sistemi di accumulo appartenenti alla stessa famiglia.

In particolare:

- essendo il sottosistema di accumulo elettrochimico;
- qualificato secondo la norma CEI EN 62619;
- rimanendo invariati i perimetri di sicurezza e operativi (es. P_SMAX , P_CMAX, V, I);
- mantenendo la stessa configurazione (Tipo a – per quanto definito in fig. 5 di CEI EN 62619) che non modifica in alcun modo il contenuto del "convertitore" (inverter) per il quale il sottosistema di accumulo è costituito da uno o più pacchi batterie collegati in parallelo, ciascuno dei quali ha un proprio BMS e moduli batterie collegati in serie.

Ai sensi degli articoli 76 del DPR 28 Dicembre 2000, n° 445, il sottoscritto Yiming Wang, in qualità di legale rappresentante di Ginlong Technologies Co., Ltd. No.57 Jintong Road, Binhai Industrial Park - Xiangshan Ningbo – Zhejiang Province, 315712 – P.R. China

dichiara

che il sistema di accumulo, combinazione degli inverter di propria costruzione con le batterie sopra menzionate, è conforme alle prescrizioni della CEI-0-21:2022-03 e CEI 0-21:V1:2022-11, CEI 0-21;V2:2024-01.

Taken into account test report No. 50387786 003 issued by test TÜV Rheinland (Shanghai) Co.; Ltd.

In compliance with the provisions of CEI 0-21; V2 of 01-2024, in Annex Bbis 2.2 which allows the extension of the aforementioned certification to storage systems belonging to the same family.

In particular:

- being the electrochemical storage subsystem;
- qualified according to the CEI EN 62619 standard;
- the safety and operational perimeters remaining unchanged (e.g. P_SMAX , P_CMAX, V, I);
- maintaining the same configuration (Type a - as defined in fig. 5 of CEI EN 62619) which does not modify in any way the content of the "converter" (inverter) for which the storage subsystem is made up of one or more



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packs batteries connected in parallel, each of which has its own BMS and battery modules connected in series.

According with the articles 76 of Italian DPR 28 December 2000, n° 445, the undersigned Yiming Wang, as legal representative of Ginlong Technologies Co., Ltd. No.57 Jintong Road, Binhai Industrial Park – Xiangshan Ningbo – Zhejiang Province, 315712 – P.R. China, herewith

Declare

that the storage system, combination of hybrid inverters manufactured by us with the batteries here above listed, is compliant with the requirements of CEI-0-21:2022-03 e CEI 0-21:V1:2022-11, CEI 0-21;V2:2024-01.

DATA 16/07/2024
DATE 16/07/2024

FIRMA LEGALE RAPPRESENTANTE
SIGNATURE LEGAL REPRESENTATIVE



I hereby certify, that the above is the true signature, subscribed in my presence, of

Mr.Yiming Wang, born on April 13,1981,business address No.57 Jintong Road, Binhai Industrial Park, Xiangshan Ningbo, Zhejiang Province, China, identified himself by submission of his valid government-issued photo identification

Acting on behalf of Ginlong Technologies Co.,Ltd.as Chief Executive Officer under the document

*Dichiarazione di conformità CEI0-21 SOLIS
RHI-3P(5-10)K-HVES-5G*

Grandall Law Firm (Beijing)

July 24th 2024



CERTIFICATE of Conformity



Registration No.: A3 50630545 0001

Report No.: 50387786 003

Holder: **Ginlong technologies Co., Ltd.**
No.57 Jintong Road, Binhai,
(seafront), Industrial Park,
Xiangshan Ningbo
315712 Zhejiang
P.R. China

Product: **PV-Inverter**
(Hybrid Grid-Interactive Inverter With Storage Battery System)

Identification: Type Designation: Hybrid Inverter: RHI-3PxK-HVES-5G
(x=5, 6, 8, 10)
Serial Number : 110F40186080001
Firmware Version: Hybrid Inverter:A2; BMS:V4.6; Battery:V3.0
Remark(s) : Model above maybe installed with:
Pylon battery:H48074, H48050
Pylon BMS :SC1000, SC5000
Refer to report 50387786 003 for details.

Tested acc. to: CEI 0-21:2022-03
CEI 0-21; V1:2022-11
CEI 0-21;V2: 2024-01

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.

Durch die DAKKS nach
DIN EN ISO/IEC 17065:2013
akkreditierte Zertifizierungsstelle

Die Akkreditierung gilt nur für den in der
Urkundenanlage D-ZE-14169-01-02
aufgeführten Akkreditierungsumfang.

Certification Body

Date 27.05.2024



A. Chen

TÜV Rheinland LGA Products GmbH - Tillystraße 2 - 90431 Nürnberg

GGETTO: Dichiarazione di conformità alla normativa CEI 0-21:2022-03 e CEI 0-21;V1:2022-11, CEI 0-21; V2: 2024-01 "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 0-21:2022-03 and CEI 0-21;V1:2022-11, CEI 0-21; V2: 2024-01 "Reference technical rules for the connection of active and passive users to the LV electrical Utilities"

Certificate No.: A3 50630545 0001

TIPOLOGIA DI APPARATO A CUI SI RIFERISCE LA DICHIARAZIONE:
 TYPE OF APPARATUS WHICH THE DECLARATION IS REFERED 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 **Ginlong technologies Co., Ltd.**
 No.57 Jintong Road, Binhai, (seafront) Industrial Park, Xiangshan, Ningbo, Zhejiang, 315712, P.R. China

Modello/Tipo
 Model/Type **RHI-3P10K-HVES-5G with H48050**

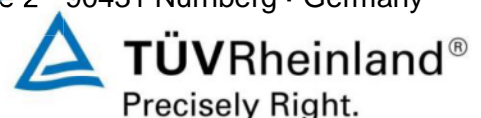
| | | | | | | | | |
|--|-------|-------|-------|-------|-------|-------|-------|-------|
| Potenza Attiva Nominata (P_{NINV}) Nominal Power [W] | 10000 | | | | | | | |
| Max. Potenza Apparente (S_{MAX}) Maximum Apparent Power [VA] | 10000 | | | | | | | |
| Numero di unità batteria Number of battery unit | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| Potenza di Scarica Massima (P_{Smax})* Maximum Discharge Power [W] | 4500 | 5700 | 6800 | 8000 | 9200 | 10000 | 10000 | 10000 |
| Potenza di Carica massima (P_{Cmax})* Maximum charging power [W] | 5100 | 6400 | 7600 | 8800 | 10000 | 10000 | 10000 | 10000 |
| Capacità della batteria Capacity of battery [kWh] | 9.76 | 12.20 | 14.64 | 17.08 | 19.52 | 21.96 | 24.40 | 26.84 |

Modello/Tipo
 Model/Type **RHI-3P10K-HVES-5G with H48074**

| | | | | | | | | |
|--|-------|-------|-------|-------|-------|-------|-------|-------|
| Potenza Attiva Nominata (P_{NINV}) Nominal Power [W] | 10 | | | | | | | |
| Max. Potenza Apparente (S_{MAX}) Maximum Apparent Power [VA] | 10000 | | | | | | | |
| Numero di unità batteria Number of battery unit | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| Potenza di Scarica Massima (P_{Smax})* Maximum Discharge Power [W] | 4500 | 5700 | 6800 | 8000 | 9200 | 10000 | 10000 | 10000 |
| Potenza di Carica massima (P_{Cmax})* Maximum charging power [W] | 5100 | 6400 | 7600 | 8800 | 10000 | 10000 | 10000 | 10000 |
| Capacità della batteria Capacity of battery [kWh] | 14.20 | 17.75 | 21.30 | 24.85 | 28.40 | 31.95 | 35.50 | 39.05 |



TÜV Rheinland LGA Products GmbH
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OGGETTO: Dichiarazione di conformità alla normativa CEI 0-21:2022-03 e CEI 0-21;V1:2022-11, CEI 0-21; V2: 2024-01 "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 0-21:2022-03 and CEI 0-21;V1:2022-11, CEI 0-21; V2: 2024-01 "Reference technical rules for the connection of active and passive users to the LV electrical Utilities"

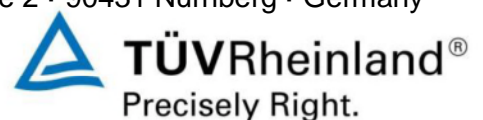
Pagina 2/5

| | | | | | | | | | |
|---|------------------------------|-------|-------|-------|-------|-------|-------|-------|------|
| Modello/Tipo Model/Type | RHI-3P8K-HVES-5G with H48050 | | | | | | | | |
| Potenza Attiva Nominata (P_{NINV}) Nominal Power [W] | 8000 | | | | | | | | |
| Max. Potenza Apparente (S_{MAX}) Maximum Apparent Power [VA] | 8000 | | | | | | | | |
| Numero di unità batteria Number of battery unit | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | |
| Potenza di Scarica Massima (P_{Smax})* Maximum Discharge Power [W] | 4500 | 5700 | 6800 | 8000 | 8000 | 8000 | 8000 | 8000 | 8000 |
| Potenza di Carica massima (P_{Cmax})* Maximum charging power [W] | 5100 | 6400 | 7600 | 8000 | 8000 | 8000 | 8000 | 8000 | 8000 |
| Capacità della batteria Capacity of battery [kWh] | 9.76 | 12.20 | 14.64 | 17.08 | 19.52 | 21.96 | 24.40 | 26.84 | |

| | | | | | | | | | |
|---|------------------------------|-------|-------|-------|-------|-------|-------|-------|------|
| Modello/Tipo Model/Type | RHI-3P8K-HVES-5G with H48074 | | | | | | | | |
| Potenza Attiva Nominata (P_{NINV}) Nominal Power [W] | 8000 | | | | | | | | |
| Max. Potenza Apparente (S_{MAX}) Maximum Apparent Power [VA] | 8000 | | | | | | | | |
| Numero di unità batteria Number of battery unit | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | |
| Potenza di Scarica Massima (P_{Smax})* Maximum Discharge Power [W] | 4500 | 5700 | 6800 | 8000 | 8000 | 8000 | 8000 | 8000 | 8000 |
| Potenza di Carica massima (P_{Cmax})* Maximum charging power [W] | 5100 | 6400 | 7600 | 8000 | 8000 | 8000 | 8000 | 8000 | 8000 |
| Capacità della batteria Capacity of battery [kWh] | 14.20 | 17.75 | 21.30 | 24.85 | 28.40 | 31.95 | 35.50 | 39.05 | |



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OGGETTO: Dichiarazione di conformità alla normativa CEI 0-21:2022-03 e CEI 0-21;V1:2022-11, CEI 0-21; V2: 2024-01 "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 0-21:2022-03 and CEI 0-21;V1:2022-11, CEI 0-21; V2: 2024-01 "Reference technical rules for the connection of active and passive users to the LV electrical Utilities"

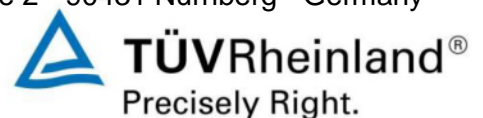
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| | | | | | | | | |
|---|------------------------------|-------|-------|-------|-------|-------|-------|-------|
| Modello/Tipo Model/Type | RHI-3P6K-HVES-5G with H48074 | | | | | | | |
| Potenza Attiva Nominata (P_{NINV}) Nominal Power [W] | 6000 | | | | | | | |
| Max. Potenza Apparente (S_{MAX}) Maximum Apparent Power [VA] | 6000 | | | | | | | |
| Numero di unità batteria Number of battery unit | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| Potenza di Scarica Massima (P_{Smax})* Maximum Discharge Power [W] | 4500 | 5700 | 6000 | 6000 | 6000 | 6000 | 6000 | 6000 |
| Potenza di Carica massima (P_{Cmax})* Maximum charging power [W] | 5100 | 6000 | 6000 | 6000 | 6000 | 6000 | 6000 | 6000 |
| Capacità della batteria Capacity of battery [kWh] | 14.20 | 17.75 | 21.30 | 24.85 | 28.40 | 31.95 | 35.50 | 39.05 |

| | | | | | | | | |
|---|------------------------------|-------|-------|-------|-------|-------|-------|-------|
| Modello/Tipo Model/Type | RHI-3P6K-HVES-5G with H48050 | | | | | | | |
| Potenza Attiva Nominata (P_{NINV}) Nominal Power [W] | 6000 | | | | | | | |
| Max. Potenza Apparente (S_{MAX}) Maximum Apparent Power [VA] | 6000 | | | | | | | |
| Numero di unità batteria Number of battery unit | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| Potenza di Scarica Massima (P_{Smax})* Maximum Discharge Power [W] | 4500 | 5700 | 6000 | 6000 | 6000 | 6000 | 6000 | 6000 |
| Potenza di Carica massima (P_{Cmax})* Maximum charging power [W] | 5100 | 6000 | 6000 | 6000 | 6000 | 6000 | 6000 | 6000 |
| Capacità della batteria Capacity of battery [kWh] | 9.76 | 12.20 | 14.64 | 17.08 | 19.52 | 21.96 | 24.40 | 26.84 |



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OGGETTO: Dichiarazione di conformità alla normativa CEI 0-21:2022-03 e CEI 0-21;V1:2022-11, CEI 0-21; V2: 2024-01 “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 0-21:2022-03 and CEI 0-21;V1:2022-11, CEI 0-21; V2: 2024-01 “Reference technical rules for the connection of active and passive users to the LV electrical Utilities”

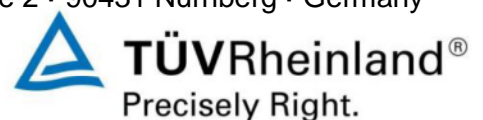
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| | | | | | | | | |
|--|------------------------------|------|-------|-------|-------|-------|-------|-------|
| Modello/Tipo <i>Model/Type</i> | RHI-3P5K-HVES-5G with H48050 | | | | | | | |
| Potenza Attiva Nominata (P_{NINV}) <i>Nominal Power [W]</i> | 5000 | | | | | | | |
| Max. Potenza Apparente (S_{MAX}) <i>Maximum Apparent Power [VA]</i> | 5000 | | | | | | | |
| Numero di unità batteria <i>Number of battery unit</i> | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| Potenza di Scarica Massima (P_{Smax})* <i>Maximum Discharge Power [W]</i> | 4500 | 5000 | 5000 | 5000 | 5000 | 5000 | 5000 | 5000 |
| Potenza di Carica massima (P_{Cmax})* <i>Maximum charging power [W]</i> | 5000 | 5000 | 5000 | 5000 | 5000 | 5000 | 5000 | 5000 |
| Capacità della batteria <i>Capacity of battery [kWh]</i> | 9.76 | 12.2 | 14.64 | 17.08 | 19.52 | 21.96 | 24.40 | 26.84 |

| | | | | | | | | |
|--|------------------------------|-------|-------|-------|-------|-------|-------|-------|
| Modello/Tipo <i>Model/Type</i> | RHI-3P5K-HVES-5G with H48074 | | | | | | | |
| Potenza Attiva Nominata (P_{NINV}) <i>Nominal Power [W]</i> | 5000 | | | | | | | |
| Max. Potenza Apparente (S_{MAX}) <i>Maximum Apparent Power [VA]</i> | 5000 | | | | | | | |
| Numero di unità batteria <i>Number of battery unit</i> | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| Potenza di Scarica Massima (P_{Smax})* <i>Maximum Discharge Power [W]</i> | 4500 | 5000 | 5000 | 5000 | 5000 | 5000 | 5000 | 5000 |
| Potenza di Carica massima (P_{Cmax})* <i>Maximum charging power [W]</i> | 5000 | 5000 | 5000 | 5000 | 5000 | 5000 | 5000 | 5000 |
| Capacità della batteria <i>Capacity of battery [kWh]</i> | 14.20 | 17.75 | 21.30 | 24.85 | 28.40 | 31.95 | 35.50 | 39.05 |



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 Tillystraße 2 · 90431 Nürnberg · Germany



OGGETTO: Dichiarazione di conformità alla normativa CEI 0-21:2022-03 e CEI 0-21;V1:2022-11, CEI 0-21; V2: 2024-01 "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 0-21:2022-03 and CEI 0-21;V1:2022-11, CEI 0-21; V2: 2024-01 "Reference technical rules for the connection of active and passive users to the LV electrical Utilities"

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Esaminati I Fascicoli Prove N.: 50387786 003 emesso da TÜV Rheinland (Shanghai) S.r.l.
Having assessed the Test Files N. 50387786 003 issued by TÜV Rheinland (Shanghai) Co., Ltd.

Si dichiara che i prodotti indicati soddisfano i requisiti della CEI 0-21:2022-03 e CEI 0-21;V1:2022-11, CEI 0-21; V2: 2024-01 "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 0-21:2022-03 and CEI 0-21;V1:2022-11, CEI 0-21; V2: 2024-01 "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 indicate, così come descritt nei Fascicoli citati. Nuovi requisiti o emendamenti a requisiti esistenti, così come modifiche al prodotto, 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: 27.05.2024

Signature :



A. Chen



SPECIFICATION (Force H1/ 96~336 V)



| Basic Parameters | | | | | | |
|--------------------------------|--|-------------|-------------|--------------|--------------|--------------|
| Battery Module | FH48074 | | | | | |
| Battery Module Voltage(Vdc) | 48 | | | | | |
| Battery Module Capacity(Ah) | 74 | | | | | |
| Battery Module Qty. (Optional) | 2 | 3 | 4 | 5 | 6 | 7 |
| Battery System Voltage (V) | 96 | 144 | 192 | 240 | 288 | 336 |
| Battery System Capacity(Ah) | 74 | | | | | |
| Battery System Capacity(kWh) | 7.1 | 10.65 | 14.21 | 17.76 | 21.31 | 24.86 |
| Dimension (W*D*H mm) | 600*380*530 | 600*380*700 | 600*380*870 | 600*380*1040 | 600*380*1210 | 600*380*1380 |
| Weight(kg) | 86 | 122 | 158 | 194 | 230 | 266 |
| Depth of Discharge | 95% | | | | | |
| Charge/ Discharge Current(A) | (Recommend) | | | | | 37 |
| | (Max.) | | | | | 40 |
| Multi-group | Max. 6 systems in parallel | | | | | |
| Communication | CANBUS/Modbus RTU | | | | | |
| IP rating | IP55 | | | | | |
| Working Temperature/ °C | 0~50 | | | | | |
| Shelf Temperature/ °C | -20~60 | | | | | |
| Humidity | 5%~95%(w/o condensing) | | | | | |
| Altitude | <2000 | | | | | |
| Design Life | 15+ Years (25 °C/°F) | | | | | |
| Cycle Life | >8,000, 25 °C | | | | | |
| Certification | UL 1973/VDE2510-50/IEC62619/IEC62477/ IEC62040-1/CE/UN38.3 | | | | | |

TÜV SÜD
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Product Service

CERTIFICATE

No. Z2 090762 0022 Rev. 00

Holder of Certificate: Pylon Technologies Co., Ltd.

No. 73, Lane 887, Zu Chongzhi Road, Zhangjiang Hi-Tech Park
 201203 Pudong, Shanghai
 PEOPLE'S REPUBLIC OF CHINA

Certification Mark:



Product:

Batteries
 (LFP Lithium Ion Energy Storage Battery System)

The product was tested on a voluntary basis and complies with the essential requirements. The certification mark shown above can be affixed on the product. It is not permitted to alter the certification mark in any way. In addition the certification holder must not transfer the certificate to third parties. See also notes overleaf.

Test report no.: 64280190115301

Valid until: 2024-08-06

Date, 2019-08-07

(Harry Zhang)



Product Service

CERTIFICATE

No. Z2 090762 0022 Rev. 00

Model(s): Force-H1-48/96V, Force-H1-48/144V,
Force-H1-48/192V, Force-H1-48/240V,
Force-H1-48/288V, Force-H1-48/336V,
Force-H1-48/384V

Brand Name: PYLONTECH



Parameters:

| | |
|------------------|-----------------------------|
| Nominal voltage: | Force-H1-48/96V: 96Vd.c.; |
| | Force-H1-48/144V: 144Vd.c.; |
| | Force-H1-48/192V: 192Vd.c.; |
| | Force-H1-48/240V: 240Vd.c.; |
| | Force-H1-48/288V: 288Vd.c.; |
| | Force-H1-48/336V: 336Vd.c.; |
| | Force-H1-48/384V: 384Vd.c. |
| Rated capacity: | 74Ah |

Tested according to: IEC 62619:2017

Production Facility(ies): 091237

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SPECIFICATION (Force H2/192~384 V)



| Basic Parameters | | | | |
|--------------------------------|---|--------------|--------------|--------------|
| Battery Module | FH9637M | | | |
| Battery Module Voltage(Vdc) | 96 | | | |
| Battery Module Capacity(Ah) | 37 | | | |
| Battery Module Qty. (Optional) | 2 | 3 | 4 | 5 |
| Battery System Voltage (V) | 192 | 288 | 384 | 480 |
| Battery System Capacity(Ah) | 37 | | | |
| Battery System Capacity(kWh) | 7.1 | 10.65 | 14.21 | 17.75 |
| Dimension (W*D*H mm) | 450*296*822 | 450*296*1118 | 450*296*1414 | 450*296*1710 |
| Weight(kg) | 82 | 117.5 | 152 | 188.5 |
| Depth of Discharge | 95% | | | |
| Charge/ Discharge Current(A) | (Recommend) | 18.5 | | |
| | (Max.) | 40 | | |
| Multi-group | Max. 6 systems in parallel | | | |
| Communication | CANBUS/Modbus RTU | | | |
| IP rating | IP55 | | | |
| Working Temperature/ °C | 0~50 | | | |
| Shelf Temperature/ °C | -20~60 | | | |
| Humidity | 5%~95%(w/o condensing) | | | |
| Altitude | <2000 | | | |
| Design Life | 15+ Years (25 °C /77 °F) | | | |
| Cycle Life | >8,000, 25 °C | | | |
| Certification | VDE-AR-E 2510-50/ IEC62619/IEC63056/IEC62040-1/CEC/CE | | | |



Product Service

CERTIFICATE

No. Z2 090762 0027 Rev. 00

Model(s): Force-H2-96/96V, Force-H2-96/192V,
Force-H2-96/288V, Force-H2-96/384V,
Force-H2-96/480V

Brand Name: PYLONTECH



Parameters:

Nominal voltage: Force-H2-96/96V: 96Vd.c.,
Force-H2-96/192V: 192Vd.c.,
Force-H2-96/288V: 288Vd.c.,
Force-H2-96/384V: 384Vd.c.,
Force-H2-96/480V: 480Vd.c.

Rated capacity: 37Ah

Tested according to: IEC 62619:2017

Production Facility(ies): 091237

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SPECIFICATION (Force H3/204.8~716.8 V)



| Basic Parameters | | | | | | |
|---------------------------------|---|-------------|-------------|--------------|--------------|--------------|
| Battery Module | FH10050 | | | | | |
| Battery Module Voltage(Vdc) | 102.4 | | | | | |
| Battery Module Capacity(Ah) | 50 | | | | | |
| Battery Module Qty. (Optional) | 2 | 3 | 4 | 5 | 6 | 7 |
| Battery System Voltage (V) | 204.8 | 307.2 | 409.6 | 512 | 614.4 | 716.8 |
| Battery System Capacity(Ah) | 50 | | | | | |
| Battery System Capacity(kWh) | 10.2 | 15.4 | 20.5 | 25.6 | 30.7 | 35.8 |
| Dimension (W*D*H mm) | 540*350*530 | 540*350*700 | 540*350*870 | 540*350*1040 | 540*350*1210 | 540*350*1380 |
| Weight(kg) | 92 | 131 | 170 | 209 | 248 | 287 |
| Depth of Discharge | 95% | | | | | |
| Charge/ Discharge Current(A) | (Recommend) | | 50 | | | |
| | (Max.) | | 52 | | | |
| Multi-group | Max. 6 systems in parallel | | | | | |
| Communication | CANBUS/Modbus RTU | | | | | |
| IP rating | IP55 | | | | | |
| Working Temperature/ °C | -10~50 | | | | | |
| Shelf Temperature/ °C | -20~60 | | | | | |
| Humidity | 5%~95%(w/o condensing) | | | | | |
| Altitude | <4000 | | | | | |
| Design Life | 15+ Years (25 °C /77 °F) | | | | | |
| Cycle Life | >8,000, 25 °C | | | | | |
| Certification | UL9540A/UL 1973/IEC62619/IEC63056/IEC62040-1/VDE-AR-E 2510-50/IEC62477-1/UN38.3 | | | | | |



Product Service

CERTIFICATE

No. B 090762 0075 Rev. 00

Holder of Certificate: Pylon Technologies Co., Ltd.

No. 73, Lane 887, Zu Chongzhi Road, Zhangjiang Hi-Tech Park
201203 Pudong, Shanghai
PEOPLE'S REPUBLIC OF CHINA

Certification Mark:



Product:

**Batteries
(LFP Lithium Ion Energy Storage Battery
System)**

The product was tested on a voluntary basis and complies with the essential requirements. The certification mark shown above can be affixed on the product. It is not permitted to alter the certification mark in any way. In addition, the certification holder must not transfer the certificate to third parties. This certificate is valid until the listed date, unless it is cancelled earlier. All applicable requirements of the testing and certification regulations of TÜV SÜD Group have to be complied. For details see: www.tuvsud.com/ps-cert

Test report no.: 64280236042201

Valid until: 2028-10-26

Date, 2023-10-27

(Harry Zhang)

CERTIFICATE

No. B 090762 0075 Rev. 00

Model(s): Force-H3-102.4/102.4, Force-H3-102.4/204.8,
Force-H3-102.4/307.2, Force-H3-102.4/409.6,
Force-H3-102.4/512, Force-H3-102.4/614.4,
Force-H3-102.4/716.8, Force-H3-102.4/819.2

Brand Name: PYLONTECH



Parameters:

Nominal voltage: Force-H3-102.4/102.4: 102.4Vd.c.;
Force-H3-102.4/204.8: 204.8Vd.c.;
Force-H3-102.4/307.2: 307.2Vd.c.;
Force-H3-102.4/409.6: 409.6d.c.;
Force-H3-102.4/512: 512.0Vd.c.;
Force-H3-102.4/614.4: 614.4Vd.c.;
Force-H3-102.4/716.8: 716.8Vd.c.;
Force-H3-102.4/819.2: 819.2Vd.c.

Rated capacity: 50Ah

Tested according to: IEC 62619:2022