



Afore New Energy Technology (Shanghai) Co., Ltd  
Building 7, No.333 Wanfang Rd, Minhang District, Shanghai, China  
Phone: +86-21-54326236 Fax: +86-21-54326136 Email: info@aforeenergy.com

## Dichiarazione di Conformita' CEI-021

### 1. Tipologia di apparecchiatura cui si riferisce la dichiarazione

|                              |                                                                                                                         |                            |                        |                            |                                   |                                         |                                    |                                        |                                  |                                        |                                  |
|------------------------------|-------------------------------------------------------------------------------------------------------------------------|----------------------------|------------------------|----------------------------|-----------------------------------|-----------------------------------------|------------------------------------|----------------------------------------|----------------------------------|----------------------------------------|----------------------------------|
| Costruttore:                 | Afore New Energy Technology (Shanghai) Co., Ltd.<br>Building 7, No.333 Wanfang Rd, Minhang District, Shanghai,<br>China |                            |                        |                            |                                   |                                         |                                    |                                        |                                  |                                        |                                  |
| Tipo apparecchiatura:        | DISPOSITIVO DI INTERFACCIA                                                                                              |                            |                        | PROTEZIONE DI INTERFACCIA  |                                   |                                         | DISPOSITIVO DI CONVERSIONE STATICA |                                        |                                  | DISPOSITIVO DI GENERAZIONE ROTANTE     |                                  |
|                              | SI                                                                                                                      |                            |                        | SI                         |                                   |                                         | SI                                 |                                        |                                  | NO                                     |                                  |
| Modello:                     | AF1K-SL-1<br>AF1K-SL-0                                                                                                  | AF1.5K-SL-1<br>AF1.5K-SL-0 | AF2K-SL-1<br>AF2K-SL-0 | AF2.5K-SL-1<br>AF2.5K-SL-0 | AF3K-SL-1<br>AF3K-SL-0<br>AF3K-SL | AF3.6K-SL-1<br>AF3.6K-SL<br>AF3.6K-SL-0 | AF4K-SLP<br>AF4K-SL<br>AF4K-SL-0   | AF4.6K-SLP<br>AF4.6K-SL<br>AF4.6K-SL-0 | AF5K-SLP<br>AF5K-SL<br>AF5K-SL-0 | AF5.5K-SLP<br>AF5.5K-SL<br>AF5.5K-SL-0 | AF6K-SLP<br>AF6K-SL<br>AF6K-SL-0 |
| Potenza attiva nominale:     | 1000 W                                                                                                                  | 1500 W                     | 2000 W                 | 2500 W                     | 3000 W                            | 3600 W                                  | 4000 W                             | 4600 W                                 | 5000 W                           | 5500 W                                 | 6000 W                           |
| Versione FW non inferiore a: | V06                                                                                                                     |                            |                        |                            |                                   |                                         |                                    |                                        |                                  |                                        |                                  |
| Numero di fasi:              | L/N/PE (monofase)                                                                                                       |                            |                        |                            |                                   |                                         |                                    |                                        |                                  |                                        |                                  |
| Nota:                        | Il dispositivo è in grado di limitare la I <sub>dc</sub> allo 0,5% della corrente nominale.                             |                            |                        |                            |                                   |                                         |                                    |                                        |                                  |                                        |                                  |

### 2. Sistemi d'accumulo associabili

|                                     |                                 |
|-------------------------------------|---------------------------------|
| Costruttore Modulo Batteria:        | Shanghai PYTES Energy Co., LTD. |
| Modello Modulo Batteria:            | V5°, V5°α                       |
| Tensione Nominale:                  | 51.2V                           |
| Numero di Moduli Installabili:      | 16                              |
| CUS (Capacita' Nominale):           | 5.12KWh                         |
| PSN (Potenza di Scarica Nominale):  | 3840W                           |
| PCN (Potenza di Carica Nominale):   | 3840W                           |
| PSmax (Massima Potenza di Scarica): | 3840W                           |
| PCmax (Massima Potenza di Carica):  | 3840W                           |



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|             |                                       |
|-------------|---------------------------------------|
| Tecnologia: | elettrochimica al Litio (Lithium-ion) |
|-------------|---------------------------------------|

### 3. Riferimenti del laboratorio che ha eseguito le prove e dei relativi fascicoli di prova:

|                        |                                                                                                                              |
|------------------------|------------------------------------------------------------------------------------------------------------------------------|
| Fascicolo di prova n.: | 6166733.50                                                                                                                   |
| Emesso da:             | DEKRA Testing and Certification (Suzhou) Co., Ltd.<br>No. 99, Hongye Road, Suzhou Industrial Park Suzhou, 215006, P.R. China |
| Accreditamento:        | L5313 (CNAS-ILAC)                                                                                                            |

### 4. Dichiarazione di conformità alle prescrizioni CEI-021

Con la presente dichiarazione, resa ai sensi degli artt. 46 e 47 DPR 28 dicembre 2000, n. 445, consapevole delle responsabilità e delle sanzioni penali previste dall'art. 76 del citato DPR per false attestazioni e dichiarazioni mendaci, il sottoscritto **Xinghe Chen**, in qualità di legale rappresentante della società Afore New Energy Technology (Shanghai) Co., Ltd. con sede in Building 7, No.333 Wanfang Rd, Minhang District, Shanghai, China, con P.IVA **91310000561932991K**, iscritta al registro delle imprese della pretura di **None** (Cina) con numero di registrazione **00000000202009040020**.

#### DICHIARA

che gli inverter di propria costruzione di cui al precedente punto 1, sono conformi alle prescrizioni contenute nelle Norme CEI 0-21:2022-03.

Shanghai, 19/10/2023

**Afore New Energy Technology (Shanghai) Co., Ltd.**  
Xinghe Chen



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**Informativa ai sensi dell'art.13 D. Lgs. 196/2003:** i dati sopra riportati sono previsti dalle disposizioni vigenti ai fini del procedimento amministrativo per il quale sono richiesti e verranno utilizzati solo per tale scopo.



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11 6月/JUN 2025

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# CERTIFICATE OF CONFORMITY

## CERTIFICATO DI CONFORMITÀ

Issued to: Afore New Energy Technology (Shanghai) Co., Ltd.  
Rilasciato a: Building 7, No.333 Wanfang Rd, Minhang District, Shanghai, China

For the product: Hybrid Inverter  
Tipo prodotto:

Trade name:  
Marchio:



Type/Model: AF1K-SL-1, AF1.5K-SL-1, AF2K-SL-1, AF2.5K-SL-1, AF3K-SL-1, AF3.6K-SL-1,  
Riferimento modello: AF3K-SL, AF3.6K-SL, AF4K-SL, AF4.6K-SL, AF5K-SL, AF5.5K-SL, AF6K-SL,  
AF4K-SLP, AF4.6K-SLP, AF5K-SLP, AF5.5K-SLP, AF6K-SLP,  
AF1K-SL-0, AF1.5K-SL-0, AF2K-SL-0, AF2.5K-SL-0, AF3K-SL-0, AF3.6K-SL-0,  
AF4K-SL-0, AF4.6K-SL-0, AF5K-SL-0, AF5.5K-SL-0, AF6K-SL-0

Ratings: See Annex  
Dati di targa:

Manufactured by: Afore New Energy Technology (Shanghai) Co., Ltd.  
Costruttore: Building 7, No.333 Wanfang Rd, Minhang District, Shanghai, China

Requirements: CEI 0-21:2022-03  
Requisiti: *Regola tecnica di riferimento per la connessione di Utenti attivi e passivi alle reti BT delle imprese distributrici di energia elettrica*

The tested models are suitable for installation in systems with a total power greater than 11.08 kW.  
*I modelli testati sono adatti per l'installazione in sistemi con potenza di uscita maggiore di 11.08 kW.*  
This Test Certificate is granted on account of an examination by DEKRA, the results of which are laid down in a confidential file no. 6185560.50  
*Il presente certificato è rilasciato a causa di un esame da parte di DEKRA, i cui risultati sono riportati in un file riservato n. 6185560.50*

The examination has been carried out on one single specimen or several specimens of the product, submitted by the manufacturer. The certificate does not include an assessment of the manufacturer's production. Conformity of this production with the specimen tested by DEKRA is not the responsibility of DEKRA.  
*Il sottoscritto dichiara che il prodotto di cui sopra è conforme ai requisiti tecnici menzionati. Questo attestato di conformità è rilasciato sulla base dei risultati di prova riferiti nel rapporto sopra menzionato.*  
*La valutazione non include una verifica della produzione di serie né del luogo di produzione.*  
This Test Certificate expires at the latest on 2029-06-28 or expires upon withdrawal of one of the above mentioned standards.

*Il presente certificato di prova scade al più tardi il 2029-06-28 o scade al momento del ritiro di uno dei suddetti standard.*

Shanghai, 28 June 2024

Certificate Number: 6185560.01COC

DEKRA Testing and Certification (Shanghai) Ltd.

Cliff Lin  
Certification Manager

© Integral publication of this certificate and adjoining reports is allowed

DEKRA Testing and Certification (Shanghai) Ltd.  
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ESA-CER-F021 v4.1



PCA-141

Document no. : 6185560.01COC

## Ratings of the testing Hybrid Inverter:

Valutazioni dell'invertitore ibrido di prova:

| Models                                | AF1K-SL-1                                       | AF1.5K-SL-1 | AF2K-SL-1 | AF2.5K-SL-1 | AF3K-SL-1 | AF3.6K-SL-1 |
|---------------------------------------|-------------------------------------------------|-------------|-----------|-------------|-----------|-------------|
| <b>PV input:</b>                      |                                                 |             |           |             |           |             |
| Max PV voltage (V)                    | 550                                             |             |           |             |           |             |
| MPPT voltage range (V)                | 80-500                                          |             |           |             |           |             |
| Max PV current (A)                    | 18.5                                            |             |           |             |           |             |
| Isc PV (A)                            | 26                                              |             |           |             |           |             |
| Max PV power (W)                      | 1500                                            | 2300        | 3000      | 3800        | 4500      | 5400        |
| <b>Battery port:</b>                  |                                                 |             |           |             |           |             |
| Battery type                          | Rechargeable Li-ion Battery/ LiFePO4/ Lead-acid |             |           |             |           |             |
| Battery normal voltage (range) (Vdc)  | 51.2 (40-60)                                    |             |           |             |           |             |
| Max charge/discharge current (A)      | 25                                              | 40          | 50        | 63          | 80        | 80          |
| Max charge/discharge power (W)        | 1000                                            | 1500        | 2000      | 2500        | 3000      | 3600        |
| <b>AC grid (input and output):</b>    |                                                 |             |           |             |           |             |
| Rated voltage (V)                     | L/N/PE, 230Vac                                  |             |           |             |           |             |
| Rated frequency (Hz)                  | 50                                              |             |           |             |           |             |
| Max AC current (A)                    | 5                                               | 7           | 10        | 12          | 14        | 17          |
| Rated AC power (W)                    | 1000                                            | 1500        | 2000      | 2500        | 3000      | 3600        |
| Max AC apparent power (VA)            | 1000                                            | 1500        | 2000      | 2500        | 3000      | 3600        |
| Power factor range                    | 1.0 (-0.8 ~ +0.8 adjustable)                    |             |           |             |           |             |
| <b>AC load output (stand alone):</b>  |                                                 |             |           |             |           |             |
| Rated voltage (V)                     | L/N/PE, 230Vac                                  |             |           |             |           |             |
| Rated frequency (Hz)                  | 50                                              |             |           |             |           |             |
| Max AC current (A)                    | 5                                               | 7           | 10        | 12          | 14        | 17          |
| Rated continuous AC power (W)         | 1000                                            | 1500        | 2000      | 2500        | 3000      | 3600        |
| Max continuous AC apparent power (VA) | 1000                                            | 1500        | 2000      | 2500        | 3000      | 3600        |
| <b>General:</b>                       |                                                 |             |           |             |           |             |
| Protection class                      | I                                               |             |           |             |           |             |
| Degree of protection                  | IP65                                            |             |           |             |           |             |
| Overvoltage category                  | II(DC), III(AC)                                 |             |           |             |           |             |
| Ambient temperature                   | -25...+60°C (Derating > 45°C)                   |             |           |             |           |             |

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| Models                                | AF3K-SL                                         | AF3.6K-SL | AF4K-SL | AF4.6K-SL | AF5K-SL | AF5.5K-SL | AF6K-SL |
|---------------------------------------|-------------------------------------------------|-----------|---------|-----------|---------|-----------|---------|
| <b>PV input:</b>                      |                                                 |           |         |           |         |           |         |
| Max PV voltage (V)                    | 550                                             |           |         |           |         |           |         |
| MPPT voltage range (V)                | 80-500                                          |           |         |           |         |           |         |
| Max PV current (A)                    | 18.5 x 2                                        |           |         |           |         |           |         |
| Isc PV (A)                            | 26 x 2                                          |           |         |           |         |           |         |
| Max PV power (W)                      | 4500                                            | 5400      | 6000    | 6900      | 7500    | 8300      | 9000    |
| <b>Battery port:</b>                  |                                                 |           |         |           |         |           |         |
| Battery type                          | Rechargeable Li-ion Battery/ LiFePO4/ Lead-acid |           |         |           |         |           |         |
| Battery normal voltage (range) (Vdc)  | 51.2 (40-60)                                    |           |         |           |         |           |         |
| Max charge/ discharge current (A)     | 80                                              |           |         |           |         |           |         |
| Max charge/ discharge power (W)       | 3000                                            | 3600      | 4000    | 4600      | 4800    | 4800      | 4800    |
| <b>AC grid (input and output):</b>    |                                                 |           |         |           |         |           |         |
| Rated voltage (V)                     | L/N/PE, 230Vac                                  |           |         |           |         |           |         |
| Rated frequency (Hz)                  | 50                                              |           |         |           |         |           |         |
| Max AC current (A)                    | 14                                              | 17        | 19      | 22        | 23      | 26        | 28      |
| Rated AC power (W)                    | 3000                                            | 3600      | 4000    | 4600      | 5000    | 5500      | 6000    |
| Max AC apparent power (VA)            | 3000                                            | 3600      | 4000    | 4600      | 5000    | 5500      | 6000    |
| Power factor range                    | 1.0 (-0.8 ~ +0.8 adjustable)                    |           |         |           |         |           |         |
| <b>AC load output (stand alone):</b>  |                                                 |           |         |           |         |           |         |
| Rated voltage (V)                     | L/N/PE, 230Vac                                  |           |         |           |         |           |         |
| Rated frequency (Hz)                  | 50                                              |           |         |           |         |           |         |
| Max AC current (A)                    | 14                                              | 17        | 19      | 22        | 23      | 26        | 28      |
| Rated continuous AC power (W)         | 3000                                            | 3600      | 4000    | 4600      | 5000    | 5500      | 6000    |
| Max continuous AC apparent power (VA) | 3000                                            | 3600      | 4000    | 4600      | 5000    | 5500      | 6000    |
| <b>General:</b>                       |                                                 |           |         |           |         |           |         |
| Protection class                      | I                                               |           |         |           |         |           |         |
| Degree of protection                  | IP65                                            |           |         |           |         |           |         |
| Overvoltage category                  | II(DC), III(AC)                                 |           |         |           |         |           |         |
| Ambient temperature                   | -25...+60°C (Derating > 45°C)                   |           |         |           |         |           |         |

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| Models                                | AF4K-SLP                                        | AF4.6K-SLP | AF5K-SLP | AF5.5K-SLP | AF6K-SLP |
|---------------------------------------|-------------------------------------------------|------------|----------|------------|----------|
| PV input:                             |                                                 |            |          |            |          |
| Max PV voltage (V)                    | 550                                             |            |          |            |          |
| MPPT voltage range (V)                | 80-500                                          |            |          |            |          |
| Max PV current (A)                    | 18.5 x 2                                        |            |          |            |          |
| Isc PV (A)                            | 26 x 2                                          |            |          |            |          |
| Max PV power (W)                      | 6000                                            | 6900       | 7500     | 8300       | 9000     |
| Battery port:                         |                                                 |            |          |            |          |
| Battery type                          | Rechargeable Li-ion Battery/ LiFePO4/ Lead-acid |            |          |            |          |
| Battery normal voltage (range) (Vdc)  | 51.2 (40-60)                                    |            |          |            |          |
| Max charge/discharge current (A)      | 120                                             |            |          |            |          |
| Max charge/discharge power (W)        | 4000                                            | 4600       | 5000     | 5500       | 6000     |
| AC grid (input and output):           |                                                 |            |          |            |          |
| Rated voltage (V)                     | L/N/PE, 230Vac                                  |            |          |            |          |
| Rated frequency (Hz)                  | 50                                              |            |          |            |          |
| Max AC current (A)                    | 19                                              | 22         | 23       | 26         | 28       |
| Rated AC power (W)                    | 4000                                            | 4600       | 5000     | 5500       | 6000     |
| Max AC apparent power (VA)            | 4000                                            | 4600       | 5000     | 5500       | 6000     |
| Power factor range                    | 1.0 (-0.8~ +0.8 adjustable)                     |            |          |            |          |
| AC load output (stand alone):         |                                                 |            |          |            |          |
| Rated voltage (V)                     | L/N/PE, 230Vac                                  |            |          |            |          |
| Rated frequency (Hz)                  | 50                                              |            |          |            |          |
| Max AC current (A)                    | 19                                              | 22         | 23       | 26         | 28       |
| Rated continuous AC power (W)         | 4000                                            | 4600       | 5000     | 5500       | 6000     |
| Max continuous AC apparent power (VA) | 4000                                            | 4600       | 5000     | 5500       | 6000     |
| General:                              |                                                 |            |          |            |          |
| Protection class                      | I                                               |            |          |            |          |
| Degree of protection                  | IP65                                            |            |          |            |          |
| Overvoltage category                  | II(DC), III(AC)                                 |            |          |            |          |
| Ambient temperature                   | -25...+60°C (Derating > 45°C)                   |            |          |            |          |

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| Models                                | AF1K-SL-0                                       | AF1.5K-SL-0 | AF2K-SL-0 | AF2.5K-SL-0 | AF3K-SL-0 | AF3.6K-SL-0 |
|---------------------------------------|-------------------------------------------------|-------------|-----------|-------------|-----------|-------------|
| Battery port:                         |                                                 |             |           |             |           |             |
| Battery type                          | Rechargeable Li-ion Battery/ LiFePO4/ Lead-acid |             |           |             |           |             |
| Battery normal voltage (range) (Vdc)  | 51.2 (40-60)                                    |             |           |             |           |             |
| Max charge/discharge current (A)      | 25                                              | 40          | 50        | 63          | 80        | 80          |
| Max charge/discharge power (W)        | 1000                                            | 1500        | 2000      | 2500        | 3000      | 3600        |
| AC grid (input and output):           |                                                 |             |           |             |           |             |
| Rated voltage (V)                     | L/N/PE, 230Vac                                  |             |           |             |           |             |
| Rated frequency (Hz)                  | 50                                              |             |           |             |           |             |
| Max AC current (A)                    | 5                                               | 7           | 10        | 12          | 14        | 17          |
| Rated AC power (W)                    | 1000                                            | 1500        | 2000      | 2500        | 3000      | 3600        |
| Max AC apparent power (VA)            | 1000                                            | 1500        | 2000      | 2500        | 3000      | 3600        |
| Power factor range                    | 1.0 (-0.8 ~ +0.8 adjustable)                    |             |           |             |           |             |
| AC load output (stand alone):         |                                                 |             |           |             |           |             |
| Rated voltage (V)                     | L/N/PE, 230Vac                                  |             |           |             |           |             |
| Rated frequency (Hz)                  | 50                                              |             |           |             |           |             |
| Max AC current (A)                    | 5                                               | 7           | 10        | 12          | 14        | 17          |
| Rated continuous AC power (W)         | 1000                                            | 1500        | 2000      | 2500        | 3000      | 3600        |
| Max continuous AC apparent power (VA) | 1000                                            | 1500        | 2000      | 2500        | 3000      | 3600        |
| General:                              |                                                 |             |           |             |           |             |
| Protection class                      | I                                               |             |           |             |           |             |
| Degree of protection                  | IP65                                            |             |           |             |           |             |
| Overvoltage category                  | II(DC), III(AC)                                 |             |           |             |           |             |
| Ambient temperature                   | -25...+60°C (Derating > 45°C)                   |             |           |             |           |             |

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| Models                                | AF4K-SL-0                                       | AF4.6K-SL-0 | AF5K-SL-0 | AF5.5K-SL-0 | AF6K-SL-0 |
|---------------------------------------|-------------------------------------------------|-------------|-----------|-------------|-----------|
| Battery port:                         |                                                 |             |           |             |           |
| Battery type                          | Rechargeable Li-ion Battery/ LiFePO4/ Lead-acid |             |           |             |           |
| Battery normal voltage (range) (Vdc)  | 51.2 (40-60)                                    |             |           |             |           |
| Max charge/discharge current (A)      | 120                                             | 120         | 120       | 120         | 120       |
| Max charge/discharge power (W)        | 4000                                            | 4600        | 5000      | 5500        | 6000      |
| AC grid (input and output):           |                                                 |             |           |             |           |
| Rated voltage (V)                     | L/N/PE, 230Vac                                  |             |           |             |           |
| Rated frequency (Hz)                  | 50                                              |             |           |             |           |
| Max AC current (A)                    | 19                                              | 22          | 23        | 26          | 28        |
| Rated AC power (W)                    | 4000                                            | 4600        | 5000      | 5500        | 6000      |
| Max AC apparent power (VA)            | 4000                                            | 4600        | 5000      | 5500        | 6000      |
| Power factor range                    | 1.0 (-0.8 ~ +0.8 adjustable)                    |             |           |             |           |
| AC load output (stand alone):         |                                                 |             |           |             |           |
| Rated voltage (V)                     | L/N/PE, 230Vac                                  |             |           |             |           |
| Rated frequency (Hz)                  | 50                                              |             |           |             |           |
| Max AC current (A)                    | 19                                              | 22          | 23        | 26          | 28        |
| Rated continuous AC power (W)         | 4000                                            | 4600        | 5000      | 5500        | 6000      |
| Max continuous AC apparent power (VA) | 4000                                            | 4600        | 5000      | 5500        | 6000      |
| General:                              |                                                 |             |           |             |           |
| Protection class                      | I                                               |             |           |             |           |
| Degree of protection                  | IP65                                            |             |           |             |           |
| Overvoltage category                  | II(DC), III(AC)                                 |             |           |             |           |
| Ambient temperature                   | -25...+60°C (Derating > 45°C)                   |             |           |             |           |

Type of generating unit:

*Tipologia di apparato:*

| Static Conversion Device<br><i>Dispositivo di conversione statica</i> | Interface Protection<br><i>Protezione di interfaccia</i> | Interface Protection Device<br><i>Dispositivo di interfaccia</i> | Rotating Generator Device<br><i>Dispositivo di generazione rotante</i> |
|-----------------------------------------------------------------------|----------------------------------------------------------|------------------------------------------------------------------|------------------------------------------------------------------------|
| Yes/Si                                                                | Yes/Si                                                   | Yes/Si                                                           | No/No                                                                  |

REMARK: the device is capable to limit the  $I_{dc}$  to 0.5% of the nominal current

NOTA: Il dispositivo è in grado di limitare la  $I_{dc}$  allo 0.5% della corrente nominale

Hardware version: 1.01

Versione hardware: 1.01

Firmware release (SW): V02

Revisione firmware (SW): V02

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**The battery used for testing with the Hybrid Inverter covered by this certificate:**

*La batteria utilizzata per i test con l'invertitore ibrido coperto dal presente certificato:*

| Battery Models                                                                                                                                                                                                                                                                                                                                                                                                                                                            | V5°, V5°α                       |           |           |           |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|-----------|-----------|-----------|
| Manufacturer                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Shanghai PYTES Energy Co., LTD. |           |           |           |
| Number of battery module in parallel                                                                                                                                                                                                                                                                                                                                                                                                                                      | 1                               | 2         | 3         | 4         |
| Nominal Voltage                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 51.2 V                          |           |           |           |
| Nominal capacity                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 100 Ah                          | 200 Ah    | 300 Ah    | 400 Ah    |
| Battery System Capacity                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 5.12 kWh                        | 10.24 kWh | 15.36 kWh | 20.48 kWh |
| Number of battery module in parallel                                                                                                                                                                                                                                                                                                                                                                                                                                      | 5                               | 6         | 7         | 8         |
| Nominal Voltage                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 51.2 V                          |           |           |           |
| Nominal capacity                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 500 Ah                          | 600 Ah    | 700 Ah    | 800 Ah    |
| Battery System Capacity                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 25.60 kWh                       | 30.72 kWh | 35.84 kWh | 40.96 kWh |
| Number of battery module in parallel                                                                                                                                                                                                                                                                                                                                                                                                                                      | 9                               | 10        | 11        | 12        |
| Nominal Voltage                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 51.2 V                          |           |           |           |
| Nominal capacity                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 900 Ah                          | 1000 Ah   | 1100 Ah   | 1200 Ah   |
| Battery System Capacity                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 46.08 kWh                       | 51.20 kWh | 56.32 kWh | 61.44 kWh |
| Number of battery module in parallel                                                                                                                                                                                                                                                                                                                                                                                                                                      | 13                              | 14        | 15        | 16        |
| Nominal Voltage                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 51.2 V                          |           |           |           |
| Nominal capacity                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 1300 Ah                         | 1400 Ah   | 1500 Ah   | 1600 Ah   |
| Battery System Capacity                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 66.56 kWh                       | 71.68 kWh | 76.80 kWh | 81.92 kWh |
| Remark:<br>The CB test certificate No. of the battery: SG PSB-BT-04048<br>When the batteries are connected in parallel, the charge/ discharge current is superimposed and is limited by the maximum current of the battery port of the Hybrid Inverter.<br>The parameters of V5° and V5°α are the same except for the different battery connector.<br>The batteries are not integrated into the Hybrid Inverter and must be installed according to the local regulations. |                                 |           |           |           |

**Testing Laboratory:**

**Laboratorio prove:**

Testing Laboratory for CEI 0-21:2022-03

DEKRA Testing and Certification (Suzhou) Co., Ltd.

No. 99, Hongye Road, Suzhou Industrial Park Suzhou, 215006, P.R. China

Accreditation Number: L5313 (CNAS-ILAC)

Testing Laboratory for EMC:

1. Intertek Testing Services Shanghai

Building No.86, 1198 Qinzhou Road (North), Caohejing Development Zone, Shanghai 200233, China

Accreditation Number: 3309.02 (A2LA-ILAC)

2. Shanghai Inspection and Testing Institute of Instruments and Automation Systems Co., Ltd.

No.103, Caobao Road, Xuhui District, Shanghai, China

Accreditation Number: L0130 (CNAS-ILAC)

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