

CERTIFICATE of Conformity



Registration No.: A3 50633176 0001

Report No.: CN240GCT 001

Holder: **Guangzhou Sanjing Electric Co., Ltd.**
No.9, Lizhishan Road, Science City,
Guangzhou High-tech Zone,
Guangdong
P.R. China

Product: **Energy Storage System**
(C&I ENERGY STORAGE SYSTEM)

Identification: Type Designation : CHS2-29.9K-T4-X, CHS2-30K-T4-X,
CHS2-40K-T5-X, CHS2-50K-T6-X, CHS2-63K-T6-X
(X=Battery Rated Voltage/Rated Capacity/Usable Energy
204.8V/280Ah/51.5kWh, 256.0V/280Ah/64.4kWh,
307.2V/280Ah/77.3kWh, 358.4V/280Ah/90.2kWh)
Serial Number : CSV6633J2341E00012
Firmware Version : V1.00

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 20.06.2024

Tongle Lee



TÜV Rheinland LGA Products GmbH - Tillystraße 2 - 90431 Nürnberg

CERTIFICATE of Conformity



Registration No.: A3 50633176 0002

Report No.: CN240GCT 001

Holder: Guangzhou Sanjing Electric Co., Ltd.
No.9, Lizhishan Road, Science City,
Guangzhou High-tech Zone,
Guangdong
P.R. China

Product: Energy Storage System
(C&I ENERGY STORAGE SYSTEM)

Identification: As page 0001 continuation
Remark : The product is installed with C&I ENERGY
STORAGE SYSTEM CB2-xx-HV5 (xx=57.3, 71.6,
85.9, 100.3). Refer to report CN240GCT 001
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.

Date 20.06.2024

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

Tongle Lee

TÜV Rheinland LGA Products GmbH - Tillystraße 2 - 90431 Nürnberg

OGGETTO: Dichiarazione di conformità alla normative CEI 0-21:2022-03, CEI 0-21;V1:2022-11 e 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, CEI 0-21;V1:2022-11 and 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 50633176 0001&0002

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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"/>

Titolare della licenza
License Holder

Guangzhou Sanjing Electric Co., Ltd.
No.9, Lizhishan Road, Science City, Guangzhou High-tech Zone, Guangdong P.R. China

Modello/Tipo
Model/Type

CHS2-29.9K-T4-X (X=Battery Rated Voltage/Rated Capacity/Usable Energy
204.8V/280Ah/51.5kWh, 256.0V/280Ah/64.4kWh, 307.2V/280Ah/77.3kWh,
358.4V/280Ah/90.2kWh) with C&I ENERGY STORAGE SYSTEM

CB2-57.3- HV5*1/*2/*3	CB2-71.6- HV5*1/*2/*3	CB2-85.9- HV5*1/*2/*3	CB2-100.3- HV5*1/*2/*3
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Potenza Attiva Nominale (P_{NIN})
Nominal Power [W]

29900

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

29900

Numero di unità batteria
Number of battery unit

1/2/3

1/2/3

1/2/3

1/2/3

Potenza di Scarica Massima (P_{Smax})*
Maximum Discharge Power [W]

26000

29000

29000

29000

Potenza di Carica massima (P_{Cmax})*
Maximum charging power [W]

29000

29000

29000

29000

Capacità della batteria
Capacity of battery [kWh]

57.3/114.6/171.9

71.6/143.2/218.4

85.9/171.8/257.7

100.3/200.6/300.9

Modello/Tipo
Model/Type

CHS2-30K-T4-X (X=Battery Rated Voltage/Rated Capacity/Usable Energy
204.8V/280Ah/51.5kWh, 256.0V/280Ah/64.4kWh, 307.2V/280Ah/77.3kWh,
358.4V/280Ah/90.2kWh) with C&I ENERGY STORAGE SYSTEM

CB2-57.3- HV5*1/*2/*3	CB2-71.6- HV5*1/*2/*3	CB2-85.9- HV5*1/*2/*3	CB2-100.3- HV5*1/*2/*3
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Potenza Attiva Nominale (P_{NIN})
Nominal Power [W]

30000

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

33000

Numero di unità batteria
Number of battery unit

1/2/3

1/2/3

1/2/3

1/2/3

Potenza di Scarica Massima (P_{Smax})*
Maximum Discharge Power [W]

26000

29000

29000

29000

Potenza di Carica massima (P_{Cmax})*
Maximum charging power [W]

29000

29000

29000

29000

Capacità della batteria
Capacity of battery [kWh]

57.3/114.6/171.9

71.6/143.2/218.4

85.9/171.8/257.7

100.3/200.6/300.9



Deutsche
Akkreditierungsstelle
D-ZE-14169-01-02

TÜV Rheinland LGA Products GmbH
Tillystraße 2 · 90431 Nürnberg, Germany



OGGETTO: Dichiarazione di conformità alla normative CEI 0-21:2022-03, CEI 0-21;V1:2022-11 e 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, CEI 0-21;V1:2022-11 and 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 50633176 0001&0002

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Modello/Tipo Model/Type	CHS2-40K-T5-X (X=Battery Rated Voltage/Rated Capacity/Usable Energy 204.8V/280Ah/51.5kWh, 256.0V/280Ah/64.4kWh, 307.2V/280Ah/77.3kWh, 358.4V/280Ah/90.2kWh) with C&I ENERGY STORAGE SYSTEM			
	CB2-57.3- HV5*1/*2/*3	CB2-71.6- HV5*1/*2/*3	CB2-85.9- HV5*1/*2/*3	CB2-100.3- HV5*1/*2/*3
Potenza Attiva Nominale (P _{NINV}) Nominal Power [W]			40000	
Max. Potenza Apparente (S _{MAX}) Maximum Apparent Power [VA]			44000	
Numero di unità batteria Number of battery unit	1/2/3	1/2/3	1/2/3	1/2/3
Potenza di Scarica Massima (P _{Smax})* Maximum Discharge Power [W]	26000	33000	39000	39000
Potenza di Carica massima (P _{Cmax})* Maximum charging power [W]	32000	39000	40000	40000
Capacità della batteria Capacity of battery [kWh]	57.3/114.6/171.9	71.6/143.2/218.4	85.9/171.8/257.7	100.3/200.6/300.9
Modello/Tipo Model/Type	CHS2-50K-T6-X (X=Battery Rated Voltage/Rated Capacity/Usable Energy 204.8V/280Ah/51.5kWh, 256.0V/280Ah/64.4kWh, 307.2V/280Ah/77.3kWh, 358.4V/280Ah/90.2kWh) with C&I ENERGY STORAGE SYSTEM			
	CB2-57.3- HV5*1/*2/*3	CB2-71.6- HV5*1/*2/*3	CB2-85.9- HV5*1/*2/*3	CB2-100.3- HV5*1/*2/*3
Potenza Attiva Nominale (P _{NINV}) Nominal Power [W]			50000	
Max. Potenza Apparente (S _{MAX}) Maximum Apparent Power [VA]			55000	
Numero di unità batteria Number of battery unit	1/2/3	1/2/3	1/2/3	1/2/3
Potenza di Scarica Massima (P _{Smax})* Maximum Discharge Power [W]	26000	33000	40000	47000
Potenza di Carica massima (P _{Cmax})* Maximum charging power [W]	32000	39000	47000	50000
Capacità della batteria Capacity of battery [kWh]	57.3/114.6/171.9	71.6/143.2/218.4	85.9/171.8/257.7	100.3/200.6/300.9



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Tillystraße 2 · 90431 Nürnberg · Germany



OGGETTO: Dichiarazione di conformità alla normative CEI 0-21:2022-03, CEI 0-21;V1:2022-11 e 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, CEI 0-21;V1:2022-11 and 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 50633176 0001&0002

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Modello/Tipo Model/Type	CHS2-63K-T6-X (X=Battery Rated Voltage/Rated Capacity/Usable Energy 204.8V/280Ah/51.5kWh, 256.0V/280Ah/64.4kWh, 307.2V/280Ah/77.3kWh, 358.4V/280Ah/90.2kWh) with C&I ENERGY STORAGE SYSTEM			
	CB2-57.3- HV5*1/*2/*3	CB2-71.6- HV5*1/*2/*3	CB2-85.9- HV5*1/*2/*3	CB2-100.3- HV5*1/*2/*3
Potenza Attiva Nominale (P _{NIN}) Nominal Power [W]			63000	
Max. Potenza Apparente (S _{MAX}) Maximum Apparent Power [VA]			63000	
Numero di unità batteria Number of battery unit	1/2/3	1/2/3	1/2/3	1/2/3
Potenza di Scarica Massima (P _{Smax})* Maximum Discharge Power [W]	26000	33000	40000	47000
Potenza di Carica massima (P _{Cmax})* Maximum charging power [W]	32000	39000	47000	54000
Capacità della batteria Capacity of battery [kWh]	57.3/114.6/171.9	71.6/143.2/218.4	85.9/171.8/257.7	100.3/200.6/300.9



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“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, CEI 0-21;V1:2022-11 and 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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^(*) The inverter have a PV input and AC output with the batteries system and it's compliant to Annex A, B and Bbis of standard CEI 0-21
The nominal charging and discharging power can be reached only according with a minimum number of battery modules connected to the inverter with limitation of the inverter's capability.

Firmware release

Firmware

Numero di Fasi

Number of phases

Trifase

Three Phases

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 (Shanghai) Co., Ltd.

Accreditation CNAS no. L3038

Esaminati I Fascicoli Prove N.: CN240GCT 001 emesso da TÜV Rheinland (Shanghai) S.r.l.

Having assessed the Test Files N. CN240GCT 001 issued by TÜV Rheinland (Shanghai) Co., Ltd.

Si dichiara che i prodotti indicati soddisfano i requisiti della CEI 0-21:2022-03, CEI 0-21;V1:2022-11 e CEI 0-21;V2:2024-01 “Regola tecnica di riferimento per la connessione di Utenti attivi e passivi alle reti AT ed MT delle imprese distributrici di energia elettrica”

We declare that the products indicated meet the requirements laid down by CEI 0-21:2022-03, CEI 0-21;V1:2022-11 and CEI 0-21;V2:2024-01 “Reference technical rules for the connection of active and passive consumers to the HV and MV electrical networks of distribution Company”

Validità della Dichiarazione

Validity of the Declaration

Questa Dichiarazione è valida per i prodotti indicate, così come descritti 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.

Data: **20.06.2024**

Date:

Firma:

Signature:

Tongle Lee

Certificatore



Deutsche
Akkreditierungsstelle
D-ZE-14169-01-02

TÜV Rheinland LGA Products GmbH
Tillystraße 2 · 90431 Nürnberg · Germany



TÜVRheinland[®]
Precisely Right.