


CERTIFICATE OF CONFORMITY

CERTIFICAT DE CONFORMITÉ

Issued to: Sigenergy Technology Co., Ltd.
Adressée à: No.175 Weizhan Road, Lingang New Area, China (Shanghai) Pilot Free Trade Zone
Shanghai, P.R.China

For the product: Sigen Hybrid Inverter
Nom du produit: Inverseur hybride Sigen

Trade name: 
Marque: SIGENERGY

Type/Model: Sigen Hybrid 2.0 SP2, Sigen Hybrid 3.0 SP2,
Type/Modèle: Sigen Hybrid 3.6 SP2, Sigen Hybrid 4.0 SP2,
Sigen Hybrid 4.6 SP2, Sigen Hybrid 5.0 SP2,
Sigen Hybrid 6.0 SP2

Ratings: See Annex
Informations Voir annexe
Techniques:

Manufactured by: Sigenergy Technology Co., Ltd.
Fabriquée par: No.175 Weizhan Road, Lingang New Area, China (Shanghai) Pilot Free Trade Zone
Shanghai, P.R.China

Requirements: EN 50549-1:2019; EN 50549-1:2019/A1:2023 (Requirements for type A Generating Units)

Standards harmonisés: COMMISSION REGULATION (EU) 2016/631 (NC RfG)
EN 50549-10:2022 Requirements for generating plants to be connected in parallel with distribution networks - Part 10: Tests for conformity assessment of generating units

This Test Certificate is granted on account of an examination by DEKRA, the results of which are laid down in a confidential file no. 6212008.50A, 6212008.50B.

Cette attestation est accordée suite à un examen par DEKRA, dont les résultats sont disposés dans un dossier confidentiel no. 6212008.50A, 6212008.50B.

The examination has been carried out on one single specimen of the product. The Attestation 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.

L'examen a été effectué sur un seul échantillon du produit, soumis par le fabricant. L'attestation ne comprend pas une évaluation de production du fabricant. La conformité de sa production avec l'échantillon testé par DEKRA n'est pas de la responsabilité de DEKRA.

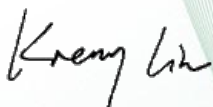
This Test Certificate expires at the latest on 2030-04-01 or expires upon withdrawal of one of the above mentioned standards.

Ce Certificat de Test expire au plus tard le 2030-04-01 ou expire lors du retrait de l'une des normes mentionnées ci-dessus.

Shanghai, 2025-04-01

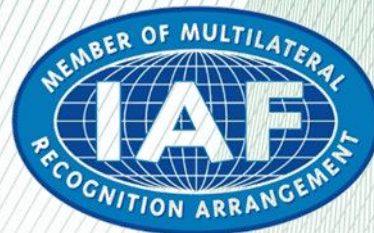
Certificate Number: 6212008.01COC
Numéro de certificate: 6212008.01COC

DEKRA Testing and Certification (Shanghai) Ltd.



Kreny Lin
Certification Manager

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PCA-141

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ESA-CER-F021 v4.1

Ratings of the test product:
Caractéristiques des produits testés:

Operating temperature range: - 30°C to + 60°C
Plage de température de fonctionnement : - 30°C à + 60°C

Protective class: I
Classe de protection: I

Ingress protection rating: IP66
Indice de protection: IP66

Power factor range (adjustable): 0.8 leading...0.8 lagging
Amplitude du facteur de puissance(réglable): de 0.8 avance à 0.8 retard

Software version: V100R001C00
Version du logiciel: V100R001C00

Sigen Hybrid 2.0 SP2:

PV input: Max 600 Vdc, U_{MPP} : 50~550 Vdc, I_{sc} PV: 22/22 A, Max 16/16 A.

Entrée PV: Max 600 Vdc, U_{MPP} : 50~550 Vdc, I_{sc} PV: 22/22 A, Max 16/16 A.

Battery: Range 300~600 Vdc, Max 30 A.

Batterie: La portée 300~600 Vdc, Max 30 A.

AC Output: 220 Vac @ L/N/PE; 230 Vac @ L/N/PE; 240 Vac @ L/PE; 50/60 Hz, Max 2.2 kVA, Rated 9.1 A.

Sortie AC: 220 Vac @ L/N/PE; 230 Vac @ L/N/PE; 240 Vac @ L/PE; 50/60 Hz, Max 2.2 kVA, Rated 9.1 A.

Sigen Hybrid 3.0 SP2:

PV input: Max 600 Vdc, U_{MPP} : 50~550 Vdc, I_{sc} PV: 22/22 A, Max 16/16 A.

Entrée PV: Max 600 Vdc, U_{MPP} : 50~550 Vdc, I_{sc} PV: 22/22 A, Max 16/16 A.

Battery: Range 300~600 Vdc, Max 30 A.

Batterie: La portée 300~600 Vdc, Max 30 A.

AC Output: 220 Vac @ L/N/PE; 230 Vac @ L/N/PE; 240 Vac @ L/PE; 50/60 Hz, Max 3.3 kVA, Rated 13.6 A.

Sortie AC: 220 Vac @ L/N/PE; 230 Vac @ L/N/PE; 240 Vac @ L/PE; 50/60 Hz, Max 3.3 kVA, Rated 13.6 A.

Sigen Hybrid 3.6 SP2:

PV input: Max 600 Vdc, U_{MPP} : 50~550 Vdc, I_{sc} PV: 22/22 A, Max 16/16 A.

Entrée PV: Max 600 Vdc, U_{MPP} : 50~550 Vdc, I_{sc} PV: 22/22 A, Max 16/16 A.

Battery: Range 300~600 Vdc, Max 30 A.

Batterie: La portée 300~600 Vdc, Max 30 A.

AC Output: 220 Vac @ L/N/PE; 230 Vac @ L/N/PE; 240 Vac @ L/PE; 50/60 Hz, Max 3.68 kVA, Rated 16.0 A.

Sortie AC: 220 Vac @ L/N/PE; 230 Vac @ L/N/PE; 240 Vac @ L/PE; 50/60 Hz, Max 3.68 kVA, Rated 16.0 A.

Sigen Hybrid 4.0 SP2:

PV input: Max 600 Vdc, U_{MPP} : 50~550 Vdc, I_{sc} PV: 22/22 A, Max 16/16 A.

Entrée PV: Max 600 Vdc, U_{MPP} : 50~550 Vdc, I_{sc} PV: 22/22 A, Max 16/16 A.

Battery: Range 300~600 Vdc, Max 30 A.

Batterie: La portée 300~600 Vdc, Max 30 A.

AC Output: 220 Vac @ L/N/PE; 230 Vac @ L/N/PE; 240 Vac @ L/PE; 50/60 Hz, Max 4.4 kVA, Rated 18.2 A.

Sortie AC: 220 Vac @ L/N/PE; 230 Vac @ L/N/PE; 240 Vac @ L/PE; 50/60 Hz, Max 4.4 kVA, Rated 18.2 A.

Sigen Hybrid 4.6 SP2:

PV input: Max 600 Vdc, U_{MPP} : 50~550 Vdc, I_{sc} PV: 22/22 A, Max 16/16 A.

Entrée PV: Max 600 Vdc, U_{MPP} : 50~550 Vdc, I_{sc} PV: 22/22 A, Max 16/16 A.

Battery: Range 300~600 Vdc, Max 30 A.

Batterie: La portée 300~600 Vdc, Max 30 A.

AC Output: 220 Vac @ L/N/PE; 230 Vac @ L/N/PE; 240 Vac @ L/PE; 50/60 Hz, Max 5.0 kVA, Rated 20.9 A.

Sortie AC: 220 Vac @ L/N/PE; 230 Vac @ L/N/PE; 240 Vac @ L/PE; 50/60 Hz, Max 5.0 kVA, Rated 20.9 A.

Sigen Hybrid 5.0 SP2:

PV input: Max 600 Vdc, U_{MPP} : 50~550 Vdc, I_{sc} PV: 22/22 A, Max 16/16 A.

Entrée PV: Max 600 Vdc, U_{MPP} : 50~550 Vdc, I_{sc} PV: 22/22 A, Max 16/16 A.

Battery: Range 300~600 Vdc, Max 30 A.

Batterie: La portée 300~600 Vdc, Max 30 A.

AC Output: 220 Vac @ L/N/PE; 230 Vac @ L/N/PE; 240 Vac @ L/PE; 50/60 Hz, Max 5.5 kVA, Rated 22.7 A.

Sortie AC: 220 Vac @ L/N/PE; 230 Vac @ L/N/PE; 240 Vac @ L/PE; 50/60 Hz, Max 5.5 kVA, Rated 22.7 A.

Sigen Hybrid 6.0 SP2:

PV input: Max 600 Vdc, U_{MPP} : 50~550 Vdc, I_{sc} PV: 22/22 A, Max 16/16 A.

Entrée PV: Max 600 Vdc, U_{MPP} : 50~550 Vdc, I_{sc} PV: 22/22 A, Max 16/16 A.

Battery: Range 300~600 Vdc, Max 30 A.

Batterie: La portée 300~600 Vdc, Max 30 A.

AC Output: 220 Vac @ L/N/PE; 230 Vac @ L/N/PE; 240 Vac @ L/PE; 50/60 Hz, Max 6.6 kVA, Rated 27.3 A.

Sortie AC: 220 Vac @ L/N/PE; 230 Vac @ L/N/PE; 240 Vac @ L/PE; 50/60 Hz, Max 6.6 kVA, Rated 27.3 A.

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