

CERTIFICATE OF CONFORMITY

Issued to: Shenzhen Kstar New Energy Company Limited.
The 9th Floor, R&D Building, Kstar Industrial Park, Guangming Hi-tech Industrial Zone,
518107 Shenzhen, Guangdong Province, P.R. China

For the product: Hybrid inverter

Trade name: **KSTAR**

Type/Model: Blue-S 3680D-M1; Blue-S 5000D-M1; Blue-S 6000D-M1
Blue-S 3680D; Blue-S 5000D; Blue-S 6000D

Ratings: See Annex

Manufactured by: Shenzhen Kstar New Energy Company Limited.
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518107 Shenzhen, Guangdong Province, P.R. China

Requirements: EN 50549-1:2019, PN-EN 50549-1:2019(Requirements for type A Generating Units)
COMMISSION REGULATION (EU) 2016/631 (NC RfG)

The subject of the declaration described above complies with the requirements of the following documents for type A PGM installations:

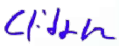
- Commission Regulation (EU) 2016/631 of 14 April 2016 establishing a network code on the requirements for connecting generating units to the network (Journal of Laws UE L 112/1 of 27 April 2016);
- General Application Requirements resulting from the Regulation of the EU Commission 2016/631 of April 14, 2016 establishing the network code on the requirements for connecting generating units to the grid - approved by the Decision of the President of the Energy Regulatory Office DRE.WOSE.7128.550.2.2018.ZJ of January 2, 2019;
- Conditions and procedures for the use of certificates in the process of connecting power generating modules to power networks, version 1.2, PTPIREE, of April 28, 2021 (PTPIREE 2021-04)

This Test Certificate is granted on account of an examination by DEKRA, the results of which are laid down in a confidential file no. 6117964.50

The examination has been carried out on one single specimen of the product. The certificate does not include an assessment of the manufacturer's production. Conformity of his production with the specimen tested by DEKRA is not the responsibility of DEKRA.

Shanghai, 17 December 2021 Certificate no: 6117964.01COC
It expires at the latest on: 17 December 2026

DEKRA Testing and Certification (Shanghai) Ltd.


Cliff Lin
Certification Manager

© Integral publication of this certificate and adjoining reports is allowed

Accreditation of the certification body by IAS according to ISO/IEC 17065 for products.
Accreditation is valid in the areas of certification mentioned in the certificate.



Annex to 6117964.01COC

Software Version: V1.3.06

Ratings of the test product:

Operating temperature range: - 25°C to + 60°C

Protective class: I

Ingress protection rating: IP65

Power factor range (adjustable): 0.8 leading...0.8 lagging

Blue-S 3680D-M1

PV terminal: Max. 580 Vd.c., MPPT voltage range: 80-560 Vd.c., max 15 A/15 A,

Isc PV: 18 A/18 A

On-grid terminal output: 230 Va.c., 50/60 Hz, rated apparent power 3680VA, max 16 Aa.c.

Battery terminal: type: Lithium or lead-acid batteries, rated voltage: 48Vd.c.,

Voltage rang: 40-60Vd.c., Max.charge current: 50Ad.c., Max.charge power: 3000W, Max.discharge current: 80Ad.c., Max.discharge power: 4000W.

Blue-S 3680D

PV terminal: Max. 580 Vd.c., MPPT voltage range: 120-550 Vd.c., max 13 A/13 A,

Isc PV: 16 A/16 A

On-grid terminal output: 230 Va.c., 50/60 Hz, rated apparent power 3680VA, max 16 Aa.c.

Battery terminal: type: Lithium or lead-acid batteries, rated voltage: 48Vd.c.,

Voltage rang: 40-60Vd.c., Max.charge current: 50Ad.c., Max.charge power: 3000W, Max.discharge current: 80Ad.c., Max.discharge power: 4000W.

Blue-S 5000D-M1

PV terminal: Max. 580 Vd.c., MPPT voltage range: 80-560 Vd.c., max 15 A/15 A,

Isc PV: 18 A/18 A

On-grid terminal output: 230 Va.c., 50/60 Hz, rated apparent power 5000VA, max 22 Aa.c.

Battery terminal: type: Lithium or lead-acid batteries, rated voltage: 48Vd.c.,

Voltage rang: 40-60Vd.c., Max.charge current: 100Ad.c., Max.charge power: 4600W, Max.discharge current: 100Ad.c., Max.discharge power: 5000W.

Blue-S 5000D

PV terminal: Max. 580 Vd.c., MPPT voltage range: 120-550 Vd.c., max 13 A/13 A,

Isc PV: 16 A/16 A

On-grid terminal output: 230 Va.c., 50/60 Hz, rated apparent power 5000VA, max 22 Aa.c.

Battery terminal: type: Lithium or lead-acid batteries, rated voltage: 48Vd.c.,

Voltage rang: 40-60Vd.c., Max.charge current: 100Ad.c., Max.charge power: 4600W, Max.discharge current: 100Ad.c., Max.discharge power: 5000W.

Blue-S 6000D-M1

PV terminal: Max. 580 Vd.c., MPPT voltage range: 80-560 Vd.c., max 15 A/15 A,

Isc PV: 18 A/18 A

On-grid terminal output: 230 Va.c., 50/60 Hz, rated apparent power 6000VA, max 25 Aa.c.

Battery terminal: type: Lithium or lead-acid batteries, rated voltage: 48Vd.c.,

Voltage rang: 40-60Vd.c., Max.charge current: 100Ad.c., Max.charge power: 4600W, Max.discharge current: 100Ad.c., Max.discharge power: 5000W.

Blue-S 6000D

PV terminal: Max. 580 Vd.c., MPPT voltage range: 120-550 Vd.c., max 13 A/13 A,

Isc PV: 16 A/16 A

On-grid terminal output: 230 Va.c., 50/60 Hz, rated apparent power 6000VA, max 25 Aa.c.

Battery terminal: type: Lithium or lead-acid batteries, rated voltage: 48Vd.c.,

Voltage rang: 40-60Vd.c., Max.charge current: 100Ad.c., Max.charge power: 4600W, Max.discharge current: 100Ad.c., Max.discharge power: 5000W.

Type test:

All tests were performed under ISO/IEC 17025 accreditation lab DEKRA Testing and Certification (Suzhou) Co., Ltd. and were performed on the model Blue-S 6000D.