



Product Service

Attestation of Conformity

No. E8A 075386 0135 Rev. 00

Holder of Certificate: **Shenzhen Kstar New Energy Company Limited**
The 9th Floor, R&D Building
Kstar Industrial Park, Guangming Hi-tech Industrial Zone
518107 Shenzhen, Guangdong Province
PEOPLE'S REPUBLIC OF CHINA

Name of Object: **Energy Storage System
(BluE Residential ESS(Energy Storage System))**

This Attestation of Conformity is issued on a voluntary basis according to the Directive 2014/30/EU relating to electromagnetic compatibility. It confirms that the listed apparatus complies with all essential requirements of the directive and is based on the technical specifications applicable at the time of issuance. It refers only to the particular sample submitted for testing and certification. For details see: www.tuvsud.com/ps-cert

Test report no.: 6877220000501

Date, 2020-12-03

(Laurent Yuan)

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After preparation of the necessary technical documentation as well as the EU Declaration of conformity the required CE marking can be affixed on the product. That Declaration of conformity is issued under the sole responsibility of the manufacturer. Other relevant EU-directives have to be observed.



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Model(s): **BluE Residential ESS(Energy Storage System):**
BluE H3-5, BluE H3-10, BluE H3-15, BluE H3-20,
BluE H5-5, BluE H5-10, BluE H5-15, BluE H5-20,
BluE H6-10, BluE H6-15, BluE H6-20;
BluE-S Hybrid Inverter:
BluE-S 3680D, BluE-S 5000D, BluE-S 6000D;
BluE-PACK Battery Pack: BluE-PACK5.1,
BluE-PACK10.2, BluE-PACK15.3, BluE-PACK20.4

Description of Object:

Rated Input: See below table for details
 Protection Class: I

BluE Residential ESS(Energy Storage System)												
Model	BluE H3-5	BluE H3-10	BluE H3-15	BluE H3-20	BluE H5-5	BluE H5-10	BluE H5-15	BluE H5-20	BluE H6-10	BluE H6-15	BluE H6-20	
Rated Output Power	3680W				5000W				6000W			
Maximum AC Input Power	7360VA											
Maximum PV Input Power	4800W				6500W				7500W			
Weight	98kg	157kg	216kg	275kg	98kg	157kg	216kg	275kg	157kg	216kg	275kg	
Operating Temperature Range	-10°C~+50°C											
Storage Temperature	-20°C~+50°C											
Relative humidity	0% ~ 90%											
Max.Operating Altitude	≤ 2000m											
BluE-S Hybrid Inverter												
Model	BluE-S 3680D				BluE-S 5000D				BluE-S 6000D			
Max.PV input voltage	580Vdc											
Max.PV input current	13Ad.c.*2											
MPPT voltage range	120~550Vd.c.											
Nominal AC input current(on-grid)	32A											
Nominal AC output apparent power(on-grid)	3680W				5000W				6000W			
Nominal AC output power(back-up)	3680W/4000VA				4600W/5000VA							
Nominal AC output current(back-up)	16A				20A							
Battery Voltage Range	40-60Vdc											
Phase	Single											
Power Factor Range	0.8 leading ~ 0.8 lagging (0.95 leading ~ 0.95 lagging for Germany)											
Maximum Charge/Discharge Current	50Ad.c./80Ad.c.				100Ad.c./100Ad.c.							

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Maximum Charge/Discharge Power	3000W/4000W				4600W/5000W				4600W/5000W			
BluE-PACK Battery Pack												
Model	BluE-PACK5.1, BluE-PACK10.2, BluE-PACK15.3, BluE-PACK20.4											
Module Capacity	5.12 kWh	10.24 kWh	15.36 kWh	20.48 kWh	5.12 kWh	10.24 kWh	15.36 kWh	20.48 kWh	10.24 kWh	15.36 kWh	20.48 kWh	
Battery Type	LFP (LiFePO4)											
Battery Rated Voltage	51.2V											
Cycle Life	10000cycles											
Max.Charge/Discharge Current	50A/ 80A	100A/ 100A	100A/ 100A	100A/ 100A	50A/ 80A	100A/ 100A	100A/ 100A	100A/ 100A	100A/ 100A	100A/ 100A	100A/ 100A	

Tested according to:

- EN IEC 61000-6-1:2019
- EN 61000-6-3:2007/A1:2011
- EN IEC 61000-6-2:2019
- EN IEC 61000-6-4:2019
- EN IEC 61000-3-11:2019
- EN 61000-3-12:2011

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