



Product Service

Attestation of Conformity

No. E8A 075386 0135 Rev. 01

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)**

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.: 64772213023901

Date, 2021-06-18

(Tony Liu)

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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-S 3680D-M1, BluE-S 5000D-M1, BluE-S 6000D-M1
BluE-PACK Battery Pack: BluE-PACK5.1
BluE-PACK10.2, BluE-PACK15.3, BluE-PACK20.4,

Description of Object:

Rated Input: See page 3-4 for details
Protection Class: I

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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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			
PV terminal												
Vmax. PV	580Vd.c.											
Rate Voltage	400Vd.c.											
MPPT Voltage Range	120~550Vd.c.											
MPPT Voltage Range (full load)	184 ~ 550Vd.c.				230 ~ 550Vd.c.				300 ~ 550Vd.c.			
MPPT Tracker number	2											
Max. continuous PV input current per tracker	13Ad.c.											
Isc PV per tracker	16Ad.c.											
Max. continuous PV input power	4800W				6500W				7500W			
Battery terminal												
Battery type	Lithium or lead-acid batteries											
Voltage range	40~60Vd.c.											
Rated voltage	48Vd.c.											
Maximum charge/discharge current	50Ad.c./80Ad.c.				100Ad.c./100Ad.c.							
Maximum charge/discharge power	3000W/4000W				4600W/5000W							
Grid terminal parameter												
Rated voltage	230Va.c.											
Rated frequency	50Hz											
Rated input Current	31Aa.c.											
Maximum continuous input current	32Aa.c.											
Maximum continuous input power	7360VA											
Rated output Current	16Aa.c.				22Aa.c.				25Aa.c.			
Maximum continuous output current	16Aa.c.				22Aa.c.				25Aa.c.			
Power factor (Cos phi), adjustable	0.8 leading ~0.8 lagging											
Maximum continuous output power	3680VA				5000VA				6000VA			
Back up load terminal parameter												
Rated voltage	230Va.c.											
Rated frequency	50Hz											
Rated output Current	16Aa.c.				20Aa.c.							
Maximum continuous output current	16Aa.c.				20Aa.c.							
Rated continuous output power	3680W				4600W							
Maximum output apparent power	4000VA				5000VA							
General parameter												
Temperature	-25°C to +60°C, derating above 45 °C											
Protective class	Class I											
Overvoltage Category	II(DC side), III(AC side)											
Ingress protection	IP65											
Altitude	≤ 2000m											
Model	BluE-S 3680D-M1				BluE-S 5000D-M1				BluE-S 6000D-M1			
PV terminal												
Vmax. PV	580Vd.c.											
Rate Voltage	400Vd.c.											
MPPT Voltage Range	80~560Vd.c.											

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MPPT Voltage Range (full load)	165 ~ 560Vd.c.		210 ~ 550Vd.c.		250 ~ 560Vd.c.						
MPPT Tracker number	2										
Max. continuous PV input current per tracker	15Ad.c.										
Isc PV per tracker	18Ad.c.										
Max. continuous PV input power	4800W		6500W		7500W						
Battery terminal											
Battery type	Lithium or lead-acid batteries										
Voltage range	40~60Vd.c.										
Rated voltage	48Vd.c.										
Maximum charge/discharge current	50Ad.c./80Ad.c.			100Ad.c./100Ad.c.							
Maximum charge/discharge power	3000W/4000W			4600W/5000W							
Grid terminal parameter											
Rated voltage	230Va.c.										
Rated frequency	50Hz										
Rated input Current	31Aa.c.										
Maximum continuous input current	32Aa.c.										
Maximum continuous input power	7360VA										
Rated output Current	16Aa.c.		22Aa.c.		25Aa.c.						
Maximum continuous output current	16Aa.c.		22Aa.c.		25Aa.c.						
Power factor (Cos phi), adjustable	0.8 leading ~0.8 lagging										
Maximum continuous output power	3680VA		5000VA		6000VA						
Back up load terminal parameter											
Rated voltage	230Va.c.										
Rated frequency	50Hz										
Rated output Current	16Aa.c.		20Aa.c.								
Maximum continuous output current	16Aa.c.		20Aa.c.								
Rated continuous output power	3680W		4600W								
Maximum output apparent power	4000VA		5000VA								
General parameter											
Temperature	-25°C to +60°C, derating above 45 °C										
Protective class	Class I										
Overvoltage Category	II(DC side), III(AC side)										
Ingress protection	IP65										
Altitude	≤ 2000m										
BluE-PACK Battery Pack											
Model	BluE-PACK5.1, BluE-PACK10.2, BluE-PACK15.3, BluE-PACK20.4										
Module Capacity	5.12kWh	10.24kWh	15.36kWh	20.48kWh	5.12kWh	10.24kWh	15.36kWh	20.48kWh	10.24kWh	15.36kWh	20.48kWh
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

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