



Product Service

Attestation of Conformity

No. E8A 075386 0174 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**

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.: 6877222000202

Date, 2022-04-11

(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):

Energy Storage System:
 BluE H3-5, BluE H3-10,
 BluE H3-15, BluE H3-20,
 BluE H3-25, BluE H5-5,
 BluE H5-10, BluE H5-15,
 BluE H5-20, BluE H5-25,
 BluE H6-10, BluE H6-15,
 BluE H6-20, BluE H6-25;
Hybrid Inverter:
 BluE-S 3680D, BluE-S 3680D-M1,
 BluE-S 5000D, BluE-S 5000D-M1,
 BluE-S 6000D, BluE-S 6000D-M1;
Battery Pack:
 BluE-PACK-5.1-16S-100A-F,
 BluE-PACK-5.1-16S-100A-N,
 BluE-PACK-10.2-16S-100A-F,
 BluE-PACK-10.2-16S-100A-N,
 BluE-PACK-15.3-16S-100A-F,
 BluE-PACK-15.3-16S-100A-N,
 BluE-PACK-20.4-16S-100A-F,
 BluE-PACK-20.4-16S-100A-N,
 BluE-PACK-25.5-16S-100A-F,
 BluE-PACK-25.5-16S-100A-N

Description of Object:

Ratings: See below table for details
 Protection Class: I

Tested according to:

EN IEC 61000-6-1:2019
 EN IEC 61000-6-3:2021
 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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Energy Storage System					
Model	BluE H3-5	BluE H3-10	BluE H3-15	BluE H3-20	BluE H3-25
Rated Output Power	3680W				
Maximum AC Input Power	7360VA				
Maximum PV Input Power	4800W				
IP Protection	IP65				
Dimensions(W*D*H)	540mm x 240mm x 890mm	540mm x 240mm x 1600mm	1080mm x 240mm x 1600mm	1080mm x 240mm x 1600mm	1080mm x 240mm x 1600mm
Weight	86kg	140kg	194kg	248kg	322kg
Operating Temperature Range	-10°C~+50°C				
Storage Temperature	-20°C~+50°C				
Relative humidity	0% ~ 90%				
Max.Operating Altitude	≤ 2000m				
Hybrid Inverter					
Model	BluE-S 3680D			BluE-S 3680D-M1	
Max.PV input voltage	580Vdc				
Max.PV input current	13Ad.c.×2			15Ad.c.×2	
MPPT voltage range	120~550Vd.c.			80~560Vd.c.	
Nominal AC input current(on-grid)	32A				
Nominal AC output apparent power(on-grid)	3680W				
Nominal AC output power(back-up)	3680W/4000VA				
Nominal AC output current(back-up)	16A				
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.				
Maximum Charge/Discharge Power	3000W/4000W				
Grid terminal parameter					
Rated voltage	230Va.c.				
Rated frequency	50/60Hz				
Rated input Current	31Aa.c.				
Maximum continuous input current	32Aa.c.				
Maximum continuous input power	7360VA				



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Energy Storage System					
Model	BluE H5-5	BluE H5-10	BluE H5-15	BluE H5-20	BluE H5-25
Rated Output Power	5000W				
Maximum AC Input Power	7360VA				
Maximum PV Input Power	6500W				
IP Protection	IP65				
Dimensions(W*D*H)	540mm x 240mm x 890mm	540mm x 240mm x 1600mm	1080mm x 240mm x 1600mm	1080mm x 240mm x 1600mm	1080mm x 240mm x 1600mm
Weight	86kg	140kg	194kg	248kg	322kg
Operating Temperature Range	-10°C~+50°C				
Storage Temperature	-20°C~+50°C				
Relative humidity	0% ~ 90%				
Max.Operating Altitude	≤ 2000m				
Hybrid Inverter					
Model	BluE-S 5000D			BluE-S 5000D-M1	
Max.PV input voltage	580Vdc				
Max.PV input current	13Ad.c.×2			15Ad.c.×2	
MPPT voltage range	120~550Vd.c.			80~560Vd.c.	
Nominal AC input current(on-grid)	32A				
Nominal AC output apparent power(on-grid)	5000W				
Nominal AC output power(back-up)	4600W/5000VA				
Nominal AC output current(back-up)	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	100Ad.c./100Ad.c.				
Maximum Charge/Discharge Power	4600W/5000W				
Grid terminal parameter					
Rated voltage	230Va.c.				
Rated frequency	50/60Hz				
Rated input Current	31Aa.c.				
Maximum continuous input current	32Aa.c.				
Maximum continuous input power	7360VA				



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Energy Storage System				
Model	BluE H6-10	BluE H6-15	BluE H6-20	BluE H6-25
Rated Output Power	6000W			
Maximum AC Input Power	7360VA			
Maximum PV Input Power	7500W			
IP Protection	IP65			
Dimensions(W*D*H)	540mm x 240mm x 1600mm	1080mm x 240mm x 1600mm	1080mm x 240mm x 1600mm	1080mm x 240mm x 1600mm
Weight	140kg	194kg	248kg	322kg
Operating Temperature Range	-10°C~+50°C			
Storage Temperature	-20°C~+50°C			
Relative humidity	0% ~ 90%			
Max.Operating Altitude	≤ 2000m			
Hybrid Inverter				
Model	BluE-S 6000D		BluE-S 6000D-M1	
Max.PV input voltage	580Vdc			
Max.PV input current	13Ad.c.×2		15Ad.c.×2	
MPPT voltage range	120~550Vd.c.		80~560Vd.c	
Nominal AC input current(on-grid)	32A			
Nominal AC output apparent power(on-grid)	6000W			
Nominal AC output power(back-up)	4600W/5000VA			
Nominal AC output current(back-up)	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	100Ad.c./100Ad.c.			
Maximum Charge/Discharge Power	4600W/5000W			
Grid terminal parameter				
Rated voltage	230Va.c.			
Rated frequency	50/60Hz			
Rated input Current	31Aa.c.			
Maximum continuous input current	32Aa.c.			
Maximum continuous input power	7360VA			

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Battery Pack														
Model	BluE-PACK-5.1-16S-100A-F, BluE-PACK-5.1-16S-100A-N, BluE-PACK-10.2-16S-100A-F, BluE-PACK-10.2-16S-100A-N, BluE-PACK-15.3-16S-100A-F, BluE-PACK-15.3-16S-100A-N, BluE-PACK-20.4-16S-100A-F, BluE-PACK-20.4-16S-100A-N, BluE-PACK-25.5-16S-100A-F, BluE-PACK-25.5-16S-100A-N													
Module Capacity	5.12kWh	10.24kWh	15.36kWh	20.48kWh	25.66kWh	5.12kWh	10.24kWh	15.36kWh	20.48kWh	25.6 kWh	10.24kWh	15.36kWh	20.48kWh	25.6 kWh
Battery Type	LFP (LiFePO4)													
Battery Rated Voltage	51.2V													
Cycle Life	80% capacity retention > 4500 cycles @ 25C, > 1700 cycles @ 45C													
Max. Charge/Discharge Current	50A/80A	100/100A	100A/100A	100A/100A	100A/100A	50A/80A	100A/100A	100A/100A	100A/100A	100A/100A	100A/100A	100A/100A	100A/100A	100A/100A

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