

Compliance Document

No. D 075386 0131 Rev. 02


Holder of Certificate: **Shenzhen Kstar New Energy Company Limited**
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Kstar Industrial Park, Guangming Hi-tech Industrial Zone
518107 Shenzhen, Guangdong Province
PEOPLE'S REPUBLIC OF CHINA

Product: **Converter
(Hybrid Inverter)**

This Compliance document confirms the compliance with the listed standards on a voluntary basis. It refers only to the sample submitted for testing and certification and does not certify the quality or safety of the serial products. For details see: www.tuvsud.com/ps-cert

Test report no.: 64290203087703

Date, 2022-01-25



(Billy Qiu)

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Model(s): **BluE-S 3680D, BluE-S 5000D,
BluE-S 6000D,
BluE-S 3680D-M1, BluE-S 5000D-M1,
BluE-S 6000D-M1**

Parameters:

Model	BluE-S 3680D	BluE-S 5000D	BluE-S 6000D
PV terminal			
Vmax. PV	580Vd.c.		
Rated 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 battery		
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	50/60Hz		
Maximum continuous input current	32Aa.c.		
Maximum continuous input power	7360VA		
Maximum continuous output current	16Aa.c.	22Aa.c.	25Aa.c.
Maximum continuous output power	3680W	5000W	6000W
Maximum output apparent power	3680VA	5000VA	6000VA
Power factor (Cos phi), adjustable	0.8 leading~0.8 lagging		
Back up load terminal parameter			
Rated voltage	230Va.c.		
Rated frequency	50/60Hz		
Maximum continuous output current	16Aa.c.	20Aa.c.	
Rated continuous output power	3680W	4600W	
Maximum output apparent power	4000VA	5000VA	

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Model	BluE-S 3680D-M1	BluE-S 5000D-M1	BluE-S 6000D-M1
PV terminal			
Vmax. PV	580Vd.c.		
Rated Voltage	400Vd.c.		
MPPT Voltage Range	80~560Vd.c.		
MPPT Voltage Range (full load)	165 ~ 520Vd.c.	210 ~ 520Vd.c.	250 ~ 520Vd.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 battery		
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	50/60Hz		
Maximum continuous input current	32Aa.c.		
Maximum continuous input power	7360VA		
Maximum continuous output current	16Aa.c.	22Aa.c.	25Aa.c.
Maximum continuous output power	3680W	5000W	6000W
Maximum output apparent power	3680VA	5000VA	6000VA
Power factor (Cos phi), adjustable	0.8 leading~0.8 lagging		
Back up load terminal parameter			
Rated voltage	230Va.c.		
Rated frequency	50/60Hz		
Maximum continuous output current	16Aa.c.	20Aa.c.	
Rated continuous output power	3680W	4600W	
Maximum output apparent power	4000VA	5000VA	

Tested according to:

IEC 61727:2004
IEC 62116:2014