



Product Service

# CERTIFICATE

No. Z2 075386 0126 Rev. 03

**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

**Certification Mark:**



**Product:** **Converter  
(Hybrid inverter)**

The product was tested on a voluntary basis and complies with the essential requirements. The certification mark shown above can be affixed on the product. It is not permitted to alter the certification mark in any way. In addition, the certification holder must not transfer the certificate to third parties. This certificate is valid until the listed date, unless it is cancelled earlier. All applicable requirements of the testing and certification regulations of TÜV SÜD Group have to be complied. For details see: [www.tuvsud.com/ps-cert](http://www.tuvsud.com/ps-cert)

**Test report no.:** 64290203044204

**Valid until:** 2027-01-17

**Date,** 2022-01-18

( 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.		
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 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		
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	50/60Hz		
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		

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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	
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		

**Tested according to:**

IEC 62109-1:2010  
 EN 62109-1:2010  
 IEC 62109-2:2011  
 EN 62109-2:2011