

# Compliance Document

No. D 075386 0142 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

**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](http://www.tuvsud.com/ps-cert)

**Test report no.:** 64290213008702

**Date,** 2021-05-14



( 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	BluE-S 3680D-M1	BluE-S 5000D-M1	BluE-S 6000D-M1
<b>PV terminal</b>						
Vmax. PV	580Vd.c.			580Vd.c.		
Rate Voltage	400Vd.c.			400Vd.c.		
MPPT Voltage Range	120~550Vd.c.			80-560Vd.c.		
MPPT Voltage Range (full load)	184 ~ 550Vd.c.	230 ~ 550Vd.c.	300 ~ 550Vd.c.	165 ~ 520Vd.c.	210 ~ 520Vd.c.	250 ~ 520Vd.c.
MPPT Tracker number	2					
Max. continuous PV input current per tracker	13Ad.c.			15Ad.c.		
Isc PV per tracker	16Ad.c.			18Ad.c.		
Max. continuous PV input power	4800W	6500W	7500W	4800W	6500W	7500W
<b>Battery terminal</b>						
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.		50Ad.c./ 80Ad.c.	100Ad.c./100Ad.c.	
Maximum charge/discharge power	3000W/ 4000W	4600W/ 5000W		3000W/ 4000W	4600W/ 5000W	
<b>Grid terminal parameter</b>						
Rated voltage	230Va.c.					
Rated frequency	50Hz / 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.	16Aa.c.	22Aa.c.	25Aa.c.
Maximum continuous output current	16Aa.c.	22Aa.c.	25Aa.c.	16Aa.c.	22Aa.c.	25Aa.c.
Power factor (Cos phi), adjustable	0.8 leading ~0.8 lagging					
Maximum continuous output power	3680VA	5000VA	6000VA	3680VA	5000VA	6000VA
<b>Back up load terminal parameter</b>						
Rated voltage	230Va.c.					
Rated frequency	50Hz					
Rated output Current	16Aa.c.	20Aa.c.		16Aa.c.	20Aa.c.	
Maximum continuous output current	16Aa.c.	20Aa.c.		16Aa.c.	20Aa.c.	
Rated continuous output power	3680W	4600W		3680W	4600W	
Maximum output apparent power	4000VA	5000VA		4000VA	5000VA	
<b>General parameter</b>						
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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**Tested  
according to:**

IEC 60068-2-1:2007  
IEC 60068-2-2:2007  
IEC 60068-2-14:2009  
IEC 60068-2-30:2005