



Product Service

# Compliance Document

No. D 075386 0224 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

**Product:** **Converter  
(PV inveter)**

**Model(s):** **BluE-G 3000S, BluE-G 3000D, BluE-G 3600D,  
BluE-G 4000D, BluE-G 4200D, BluE-G 4600D,  
BluE-G 5000D, BluE-G 6000D,  
BluE-G 3000S-M1, BluE-G 3000D-M0,  
BluE-G 3000D-M1, BluE-G 3600D-M0,  
BluE-G 3600D-M1, BluE-G 4000D-M0,  
BluE-G 4000D-M1, BluE-G 4200D-M0,  
BluE-G 4200D-M1, BluE-G 4600D-M1,  
BluE-G 5000D-M1, BluE-G 6000D-M1**

**Parameters:** See page 2-5

**Tested according to:** CEI 0-21:2022  
CEI 0-21:2022/V1:2022

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.:** 64290233038901

**Date,** 2023-08-22

( Billy Qiu )

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## Parameters:

Model:	BluE-G 3000S	BluE-G 3000S-M1	BluE-G 3000D	BluE-G 3000D-M0	BluE-G 3000D-M1
PV input parameter					
Maximum input voltage	600 Vd.c.				
Rated input voltage	380 Vd.c.				
MPPT voltage range	80~550 Vd.c.	80~560 Vd.c.	80~550 Vd.c.	80~560 Vd.c.	
MPPT voltage range (full load)	280~480 Vd.c.		160~480 Vd.c.		
Maximum input current	12.5 Ad.c.	15.0 Ad.c.	2*11.0 Ad.c.	2*13.0 Ad.c.	2*15.0 Ad.c.
PV ISC	15.6 Ad.c.	18.0 Ad.c.	2*13.2 Ad.c.	2*15.6 Ad.c.	2*18.0 Ad.c.
Maximum input power	4050 W				
Grid parameter					
Rated output voltage	230 Va.c.				
Rated output frequency	50 Hz				
Rated output current	13.0 Aa.c.				
Maximum continuous output current	14.5 Aa.c.				
Rated output active power	3000 W				
Maximum output active power	3300 W				
Maximum output apparent power	3300 VA				
Power factor	0.8 inductive(under-excited) to 0.8 capacitive(over-excited)				
General					
Operation temperature range	-25 °C to 60 °C				
Storage temperature range	-40 °C to 70 °C				

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Model:	BluE-G 3600D	BluE-G 3600D-M0	BluE-G 3600D-M1	BluE-G 4000D	BluE-G 4000D-M0
PV input parameter					
Maximum input voltage	600 Vd.c.				
Rated input voltage	380 Vd.c.				
MPPT voltage range	80~550 Vd.c.	80~560 Vd.c.		80~550 Vd.c.	80~560 Vd.c.
MPPT voltage range (full load)	190~480 Vd.c.			210~480 Vd.c.	
Maximum input current	2*11.0 Ad.c.	2*13.0 Ad.c.	2*15.0 Ad.c.	2*11.0 Ad.c.	2*13.0 Ad.c.
PV ISC	2*13.2 Ad.c.	2*15.6 Ad.c.	2*18.0 Ad.c.	2*13.2 Ad.c.	2*15.6 Ad.c.
Maximum input power	4860 W			5400 W	
Grid parameter					
Rated output voltage	230 Va.c.				
Rated output frequency	50 Hz				
Rated output current	15.7 Aa.c.			17.4 Aa.c.	
Maximum continuous output current	17.3 Aa.c.			19.0 Aa.c.	
Rated output active power	3600 W			4000 W	
Maximum output active power	3960 W			4400 W	
Maximum output apparent power	3960 VA			4400 VA	
Power factor	0.8 inductive(under-excited) to 0.8 capacitive(over-excited)				
General					
Operation temperature range	-25 °C to 60 °C				
Storage temperature range	-40 °C to 70 °C				

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Model:	BluE-G 4000D-M1	BluE-G 4200D	BluE-G 4200D-M0	BluE-G 4200D-M1	BluE-G 4600D
PV input parameter					
Maximum input voltage	600 Vd.c.				
Rated input voltage	380 Vd.c.				
MPPT voltage range	80~560 Vd.c.	80~550 Vd.c.	80~560 Vd.c.		80~550 Vd.c.
MPPT voltage range (full load)	210~480 Vd.c.	220~480 Vd.c.			210~480 Vd.c.
Maximum input current	2*15.0 Ad.c.	2*11.0 Ad.c.	2*13.0 Ad.c.	2*15.0 Ad.c.	2*12.5 Ad.c.
PV ISC	2*18.0 Ad.c.	2*13.2 Ad.c.	2*15.6 Ad.c.	2*18.0 Ad.c.	2*15.6 Ad.c.
Maximum input power	5400 W	5670 W			6210 W
Grid parameter					
Rated output voltage	230 Va.c.				
Rated output frequency	50 Hz				
Rated output current	17.4 Aa.c.	18.3 Aa.c.			20.0 Aa.c.
Maximum continuous output current	19.0 Aa.c.	20.0 Aa.c.			22.0 Aa.c.
Rated output active power	4000 W	4200 W			4600 W
Maximum output active power	4400 W	4620 W			5060 W
Maximum output apparent power	4400 VA	4620 VA			5060 VA
Power factor	0.8 inductive(under-excited) to 0.8 capacitive(over-excited)				
General					
Operation temperature range	-25 °C to 60 °C				
Storage temperature range	-40 °C to 70 °C				

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Model:	BluE-G 4600D-M1	BluE-G 5000D	BluE-G 5000D-M1	BluE-G 6000D	BluE-G 6000D- M1
PV input parameter					
Maximum input voltage	600 Vd.c.				
Rated input voltage	380 Vd.c.				
MPPT voltage range	80~560 Vd.c.	80~550 Vd.c.	80~560 Vd.c.	80~550 Vd.c.	80~560 Vd.c.
MPPT voltage range (full load)	210~480 Vd.c.	230~480 Vd.c.		280~480 Vd.c.	
Maximum input current	2*15.0 Ad.c.	2*12.5 Ad.c.	2*15.0 Ad.c.	2*12.5 Ad.c.	2*15.0 Ad.c.
PV ISC	2*18.0 Ad.c.	2*15.6 Ad.c.	2*18.0 Ad.c.	2*15.6 Ad.c.	2*18.0 Ad.c.
Maximum input power	6210 W	6750 W		8100 W	
Grid parameter					
Rated output voltage	230 Va.c.				
Rated output frequency	50 Hz				
Rated output current	20.0 Aa.c.	21.7 Aa.c.		26.0 Aa.c.	
Maximum continuous output current	22.0 Aa.c.	24.0 Aa.c.		26.0 Aa.c.	
Rated output active power	4600 W	5000 W		6000 W	
Maximum output active power	5060 W	5500 W		6000 W	
Maximum output apparent power	5060 VA	5500 VA		6000 VA	
Power factor	0.8 inductive(under-excited) to 0.8 capacitive(over-excited)				
General					
Operation temperature range	-25 °C to 60 °C				
Storage temperature range	-40 °C to 70 °C				

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The following generators meet the requirements of CEI 0-21: 2022+CEI 0-21: 2022/V1: 2022						
Section A	Manufacturer	Shenzhen Kstar New Energy Company Limited The 9th Floor, R&D Building, Kstar Industrial Park, Guangming Hi-tech Industrial Zone, Shenzhen, Guangdong Province, 518107, PEOPLE'S REPUBLIC OF CHINA				
	Equipment type	PV inverter				
	Brand	Kstar				
	Number of phase	<input checked="" type="checkbox"/> Single phase <input type="checkbox"/> Three phase Frequency: 50Hz Voltage: 230 Va.c.				
	Primary energy used	<input checked="" type="checkbox"/> Solar <input type="checkbox"/> Storage <input type="checkbox"/> Wind <input type="checkbox"/> Hydroelectric <input type="checkbox"/> CHP <input type="checkbox"/> Other:				
	Generator model	BluE-G 3000S	BluE-G 3000S-M1	BluE-G 3000D	BluE-G 3000D-M0	BluE-G 3000D-M1
	Rated active power output to Grid	3000 W	3000 W	3000 W	3000 W	3000 W
	Maximum apparent power output to Grid	3300 VA	3300 VA	3300 VA	3300 VA	3300 VA
	Generator model	BluE-G 3600D	BluE-G 3600D-M0	BluE-G 3600D-M1	BluE-G 4000D	BluE-G 4000D-M0
	Rated active power output to Grid	3600 W	3600 W	3600 W	4000 W	4000 W
	Maximum apparent power output to Grid	3960 VA	3960 VA	3960 VA	4400 VA	4400 VA
	Generator model	BluE-G 4000D-M1	BluE-G 4200D	BluE-G 4200D-M0	BluE-G 4200D-M1	BluE-G 4600D
	Rated active power output to Grid	4000 W	4200 W	4200 W	4200 W	4600 W
	Maximum apparent power output to Grid	4400 VA	4620 VA	4620 VA	4620 VA	5060 VA
	Generator model	BluE-G 4600D-M1	BluE-G 5000D	BluE-G 5000D-M1	BluE-G 6000D	BluE-G 6000D-M1
	Rated active power output to Grid	4600 W	5000 W	5000 W	6000 W	6000 W
	Maximum apparent power output to Grid	5060 VA	5500 VA	5500 VA	6000 VA	6000 VA
The generator:	<input type="checkbox"/> is suitable for installation in systems with an output power of more than 11.08 kW <input checked="" type="checkbox"/> is capable of limiting Idc to 0.5% of rated current: <input checked="" type="checkbox"/> uses a DC-sensitive protection function <input type="checkbox"/> uses a transformer operating at mains frequency					

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Section B	Characteristics of the interface protection system					
	Manufacturer	Shenzhen Kstar New Energy Company Limited The 9th Floor, R&D Building, Kstar Industrial Park, Guangming Hi-tech Industrial Zone, Shenzhen, Guangdong Province, 518107, PEOPLE'S REPUBLIC OF CHINA				
	Model	BluE-G 3000S, BluE-G 3000D, BluE-G 3600D, BluE-G 4000D, BluE-G 4200D, BluE-G 4600D, BluE-G 5000D, BluE-G 6000D, BluE-G 3000S-M1, BluE-G 3000D-M0, BluE-G 3000D-M1, BluE-G 3600D-M0, BluE-G 3600D-M1, BluE-G 4000D-M0, BluE-G 4000D-M1, BluE-G 4200D-M0, BluE-G 4200D-M1, BluE-G 4600D-M1, BluE-G 5000D-M1, BluE-G 6000D-M1				
	Type	<input checked="" type="checkbox"/> Integrated <input type="checkbox"/> Not integrated				
Section C	Characteristics of inverter(s)					
	Model of inverter	BluE-G 3000S	BluE-G 3000S-M1	BluE-G 3000D	BluE-G 3000D-M0	BluE-G 3000D-M1
	Rated power of inverter (PNINV)	3000 W	3000 W	3000 W	3000 W	3000 W
	Model of inverter	BluE-G 3600D	BluE-G 3600D-M0	BluE-G 3600D-M1	BluE-G 4000D	BluE-G 4000D-M0
	Rated power of inverter (PNINV)	3600 W	3600 W	3600 W	4000 W	4000 W
	Model of inverter	BluE-G 4000D-M1	BluE-G 4200D	BluE-G 4200D-M0	BluE-G 4200D-M1	BluE-G 4600D
	Rated power of inverter (PNINV)	4000 W	4200 W	4200 W	4200 W	4600 W
	Model of inverter	BluE-G 4600D-M1	BluE-G 5000D	BluE-G 5000D-M1	BluE-G 6000D	BluE-G 6000D-M1
	Rated power of inverter (PNINV)	4600 W	5000 W	5000 W	6000 W	6000 W
	Manufacturer of inverter	Shenzhen Kstar New Energy Company Limited				
Firmware version	V1.3.00					
Section I	References of the laboratories that performed the tests and their test reports (RdP)					
	Selected method	<input checked="" type="checkbox"/> Tests performed by an accredited laboratory				
	Test Reports (RdP)	Test report according to Annex A, Annex B: 64.290.23.30389.01				
	Issued by	Testing lab: TÜV SÜD Certification and Testing (China) Co., Ltd. Guangzhou Branch				
	Accreditation No.	D-PL-19065-01-01				
	Accreditation body ref.	DAkKS				
Section M	Reference of the certification body					
	Certification Body	TÜV SÜD Product Service GmbH DAkKS accreditation certificate D-ZE-11321-01-00 according to DIN EN ISO/IEC 17065:2013				