



Product Service

Attestation of Conformity

No. N8A 075386 0124 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

Product: **Converter**
(Photovoltaic grid-connected inverter)

This Attestation of Conformity is issued on a voluntary basis according to the Low Voltage Directive 2014/35/EU relating to electrical equipment designed for use within certain voltage limits. It confirms that the listed equipment complies with the principal protection 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.: 64290193056604

Date, 2022-11-15

(Billy Qiu)

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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. The 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): 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, BluE-G 8000D

Parameters:

Model Specifications	BluE-G 3000S	BluE-G 3000D	BluE-G 3600D	BluE-G 4000D
Input (DC)				
Max. DC power	4050W	4050W	4860W	5400W
Max. DC voltage	600Vd.c.			
Normal DC voltage	380Vd.c.			
MPPT voltage range	80V-550Vd.c.			
MPPT voltage range (full load)	280Vd.c.-480Vd.c.	160Vd.c.-480Vd.c.	190Vd.c.-480Vd.c.	210Vd.c.-480Vd.c.
Number of MPP trackers	1	2	2	2
Strings per MPP tracker	1	1	1	1
Max. input current per MPPT tracker	12.5 Ad.c.	11 Ad.c.*2	11 Ad.c.*2	11 Ad.c.*2
PV short circuit current	15.6 Ad.c.	13.2 Ad.c. *2	13.2 Ad.c. *2	13.2 Ad.c. *2
Output (AC)				
Normal AC output Power	3000W	3000W	3600W	4000W
Max. AC output Power	3300W	3300W	3960W	4400W
Max. AC apparent Power	3300VA	3300VA	3960VA	4400VA
Normal AC voltage	230Va.c.			
Normal AC grid frequency	50/60 Hz			
Max. output current	14.5Aa.c.	14.5Aa.c.	17.3Aa.c.	19Aa.c.
Power Factor	0.8 leading to 0.8 lagging			
General				
Temperature range	-25 °C to +60 °C (> 45°C derating)			
Altitude	≤4000m			
Ingress protection rating	IP65			
Protection Class	Class I			



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Model Specifications	BluE-G 4200D	BluE-G 4600D	BluE-G 5000D	BluE-G 6000D
Input (DC)				
Max. DC power	5670W	6210W	6750W	8100W
Max. DC voltage	600Vd.c.			
Normal DC voltage	380Vd.c.			
MPPT voltage range	80V-550Vd.c.			
MPPT voltage range (full load)	220Vd.c.- 480Vd.c.	210Vd.c.- 480Vd.c.	230Vd.c.- 480Vd.c.	280Vd.c.- 480Vd.c.
Number of MPP trackers	2	2	2	2
Strings per MPP tracker	1	1	1	1
Max. input current per MPPT tracker	11 Ad.c.*2	12.5 Ad.c.*2	12.5 Ad.c.*2	12.5 Ad.c.*2
PV short circuit current	13.2 Ad.c. *2	15.6 Ad.c. *2	15.6 Ad.c. *2	15.6 Ad.c. *2
Output (AC)				
Normal AC output Power	4200W	4600W	5000W	6000W
Max. AC output Power	4620W	5060W	5500W	6000W
Max. AC apparent Power	4620VA	5060VA	5500VA	6000VA
Normal AC voltage	230Va.c.			
Normal AC grid frequency	50/60 Hz			
Max. output current	20Aa.c.	22Aa.c.	24Aa.c.	26Aa.c.
Power Factor	0.8 leading to 0.8 lagging			
General				
Temperature range	-25 °C to +60 °C (> 45°C derating)			
Altitude	≤4000m			
Ingress ptotection rating	IP65			
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Model Specifications	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
Input (DC)							
Max. DC power	4050W	4050W	4050W	4860W	4860W	5400W	5400W
Max. DC voltage	600Vd.c.						
Normal DC voltage	380Vd.c.						
MPPT voltage range	80V-560Vd.c.						
MPPT voltage range (full load)	280Vd.c.-480Vd.c	160Vd.c.-480Vd.c	160Vd.c.-480Vd.c	190Vd.c.-480Vd.c	190Vd.c.-480Vd.c	210Vd.c.-480Vd.c	210Vd.c.-480Vd.c
Number of MPP trackers	1	2	2	2	2	2	2
Strings per MPP tracker	1	1	1	1	1	1	1
Max. input current per MPPT tracker	15 Ad.c.	13 Ad.c.*2	15 Ad.c.*2	13 Ad.c.*2	15 Ad.c.*2	13 Ad.c.*2	15 Ad.c.*2
PV short circuit current	18 Ad.c.	15.6 Ad.c.*2	18 Ad.c.*2	15.6 Ad.c.*2	18 Ad.c.*2	15.6 Ad.c.*2	18 Ad.c.*2
Output (AC)							
Normal AC output Power	3000W	3000W	3000W	3600W	3600W	4000W	4000W
Max. AC output Power	3300W	3300W	3300W	3960W	3960W	4400W	4400W
Max. AC apparent Power	3300VA	3300VA	3300VA	3960VA	3960VA	4400VA	4400VA
Normal AC voltage	230Va.c.						
Normal AC grid frequency	50/60 Hz						
Max. output current	14.5 Aa.c.	14.5 Aa.c.	14.5 Aa.c.	17.3 Aa.c.	17.3 Aa.c.	19 Aa.c.	19 Aa.c.
Power Factor	0.8 leading to 0.8 lagging						
General							
Temperature range	-25 °C to +60 °C (> 45°C derating)						
Altitude	≤4000m						
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Model Specifications	BluE-G 4200D-M0	BluE-G 4200D-M1	BluE-G 4600D-M1	BluE-G 5000D-M1	BluE-G 6000D-M1
Input (DC)					
Max. DC power	5670W	5670W	6210W	6750W	8100W
Max. DC voltage	600Vd.c.				
Normal DC voltage	380Vd.c.				
MPPT voltage range	80V-560Vd.c.				
MPPT voltage range (full load)	220Vd.c.- 480Vd.c	220Vd.c.- 480Vd.c	210Vd.c.- 480Vd.c	230Vd.c.- 480Vd.c	280Vd.c.- 480Vd.c
Number of MPP trackers	1	2	2	2	2
Strings per MPP tracker	1	1	1	1	1
Max. input current per MPPT tracker	13 Ad.c.*2	15 Ad.c.*2	15 Ad.c.*2	15 Ad.c.*2	15 Ad.c.*2
PV short circuit current	15.6 Ad.c. *2	18 Ad.c. *2	18 Ad.c. *2	18 Ad.c. *2	18 Ad.c. *2
Output (AC)					
Normal AC output Power	4200W	4200W	4600W	5000W	6000W
Max. AC output Power	4620W	4620W	5060W	5500W	6000W
Max. AC apparent Power	4620VA	4620VA	5060VA	5500VA	6000VA
Normal AC voltage	230Va.c.				
Normal AC grid frequency	50/60 Hz				
Max. output current	20 Aa.c.	20 Aa.c.	22 Aa.c.	24 Aa.c.	26 Aa.c.
Power Factor	0.8 leading to 0.8 lagging				
General					
Temperature range	-25 °C to +60 °C (> 45°C derating)				
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Model	BluE-G 8000D
PV input rating	
Max. input power	10400 W
Rated input voltage	380 Vd.c
Max. input voltage	600 Vd.c.
MPPT voltage range	80~540 Vd.c.
MPPT voltage range (full load)	250~500 Vd.c.
Number of MPP trackers	2
Strings per MPP tracker	1
Max. continue input current	26/16 Ad.c.
Isc PV	31/19 Ad.c.
Grid output rating	
Rated output voltage	1/N/PE, 230 Va.c.
Rated output frequency	50/60 Hz
Max. continuous output current	35 Aa.c.
Rate output active power	8000 W
Max.output apparent power	8000 VA
Power factor	0.8 leading ~ 0.8 lagging
General	
Temperature range	-25 °C to +60 °C (> 45°C derating)
Altitude	≤4000m
Ingress protection rating	IP65
Protection Class	Class I

Tested according to:

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

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