



Product Service

CERTIFICATE

No. Z2 075386 0123 Rev. 02

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**
(Photovoltaic grid-connected 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

Test report no.: 64290193056603

Valid until: 2026-06-07

Date, 2021-06-08

(Billy Qiu)

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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**

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 protection rating	IP65			
Protection Class	Class I			

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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						
Ingress protection rating	IP65						
Protection Class	Class I						

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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)				
Altitude	≤4000m				
Ingress ptotection rating	IP65				
Protection Class	Class I				

**Tested
according to:**

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