

# Compliance Document

No. D 075386 0139 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

**Product:** **Converter**  
**(Photovoltaic grid-connected 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.:** 64290213007303

**Date,** 2022-10-27



( 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 8000D**

**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	BluE-G 4200D
<b>Input(DC)</b>					
Max. DC voltage	600Vd.c.				
Normal DC voltage	380Vd.c.				
MPPT voltage range	80V-550Vd.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	12.5 Ad.c.	11 Ad.c.*2	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	13.2 Ad.c. *2
<b>Output (AC)</b>					
Normal AC output Power	3000W	3000W	3600W	4000W	4200W
Max. AC output Power	3300W	3300W	3960W	4400W	4620W
Max. AC apparent Power	3300VA	3300VA	3960VA	4400VA	4620VA
Normal AC voltage	230Va.c.				
Normal AC grid frequency	50 Hz / 60Hz				
Max. output current	14.5Aa.c.	14.5Aa.c.	17.3Aa.c.	19Aa.c.	20Aa.c.
Power Factor	0.8 leading to 0.8 lagging				
<b>General</b>					
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 4600D	BluE-G 5000D	BluE-G 6000D	BluE-G 8000D
<b>Input(DC)</b>				
Max. DC voltage	600Vd.c.			
Normal DC voltage	380Vd.c.			
MPPT voltage range	80V-550Vd.c.			80V-540Vd.c.
Number of MPP trackers	2	2	2	2
Strings per MPP tracker	1	1	1	1
Max. input current per MPPT tracker	12.5 Ad.c.*2	12.5 Ad.c.*2	12.5 Ad.c.*2	26Ad.c./16Ad.c.
PV short circuit current	15.6 Ad.c. *2	15.6 Ad.c. *2	15.6 Ad.c. *2	31Ad.c./19Ad.c.
<b>Output (AC)</b>				
Normal AC output Power	4600W	5000W	6000W	8000W
Max. AC output Power	5060W	5500W	6000W	8000W
Max. AC apparent Power	5060VA	5500VA	6000VA	8000VA
Normal AC voltage	230Va.c.			
Normal AC grid frequency	50 Hz / 60Hz			
Max. output current	22Aa.c.	24Aa.c.	26Aa.c.	35Aa.c.
Power Factor	0.8 leading to 0.8 lagging			
<b>General</b>				
Temperature range	-25 °C to +60 °C (> 45°C derating)			
Altitude	≤4000m			
Ingress protection 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
<b>Input(DC)</b>							
Max. DC voltage	600Vd.c.						
Normal DC voltage	380Vd.c.						
MPPT voltage range	80V-560Vd.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
<b>Output (AC)</b>							
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 Hz / 60Hz						
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						
<b>General</b>							
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
<b>Input(DC)</b>					
Max. DC voltage	600Vd.c.				
Normal DC voltage	380Vd.c.				
MPPT voltage range	80V-560Vd.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
<b>Output (AC)</b>					
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 Hz / 60Hz				
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				
<b>General</b>					
Temperature range	-25 °C to +60 °C (> 45°C derating)				
Altitude	≤4000m				
Ingress protection rating	IP65				
Protection Class	Class I				

**Tested  
according to:**

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