

Compliance Document

No. D 075386 0132 Rev. 02

Holder of Certificate: **Shenzhen Kstar New Energy Company Limited**
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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

Test report no.: 64290203087603

Date, 2022-10-13



(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
Input(DC)				
Max. DC power	4050 W	4050 W	4860 W	5400 W
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	230 Va.c.			
Normal AC grid frequency	50/60 Hz			
Max. output current	14.5 Aa.c.	14.5 Aa.c.	17.3 Aa.c.	19Aa.c.
Power Factor	0.8 leading to 0.8 lagging			

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Model Specifications	BluE-G 4200D	BluE-G 4600D	BluE-G 5000D	BluE-G 6000D	BluE-G 8000D
Input (DC)					
Max. DC power	5670 W	6210 W	6750 W	8100 W	10400 W
Max. DC voltage	600 Vd.c.				
Normal DC voltage	380 Vd.c.				
MPPT voltage range	80-550 Vd.c.				80-540 Vd.c.
MPPT voltage range (full load)	220V-480 Vd.c.	210-480 Vd.c.	230-480 Vd.c.	280-480 Vd.c.	250-500 Vd.c.
Number of MPP trackers	2	2	2	2	2
Strings per MPP tracker	1	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	26.0/16.0 Ad.c.
PV short circuit current	13.2 Ad.c. *2	15.6 Ad.c. *2	15.6 Ad.c. *2	15.6 Ad.c. *2	31.0/19.0 Ad.c.
Output (AC)					
Normal AC output Power	4200 W	4600 W	5000 W	6000 W	8000 W
Max. AC output Power	4620 W	5060 W	5500 W	6000 W	8000 W
Max. AC apparent Power	4620 VA	5060 VA	5500 VA	6000 VA	8000 VA
Normal AC voltage	230 Va.c.				
Normal AC grid frequency	50/60 Hz				
Max. output current	20 Aa.c.	22 Aa.c.	24 Aa.c.	26 Aa.c.	35 Aa.c.
Power Factor	0.8 leading to 0.8 lagging				

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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	4050 W	4050 W	4050 W	4860 W	4860 W	5400 W	5400 W
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
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	230 Va.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						

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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	5670 W	5670 W	6210 W	6750 W	8100 W
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
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	230 Va.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				

**Tested
according to:**

IEC 61727:2004
IEC 62116:2014