

Compliance Document

No. D 075386 0157 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**
(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.: 64290213008101

Date, 2021-06-07



(Billy Qiu)

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Model(s):

**BluE-G 3000S, BluE-G 3000S-M1,
 BluE-G 3000D, BluE-G 3000D-M0, BluE-G 3000D-M1,
 BluE-G 3600D, BluE-G 3600D-M0, BluE-G 3600D-M1,
 BluE-G 4000D, BluE-G 4000D-M0, BluE-G 4000D-M1,
 BluE-G 4200D, BluE-G 4200D-M0, BluE-G 4200D-M1,
 BluE-G 4600D, BluE-G 4600D-M1,
 BluE-G 5000D, BluE-G 5000D-M1**

Parameters:

Power generation unit							
Manufacturer	Shenzhen Kstar New Energy Company Limited						
Power generation unit type	Inverter						
Model Specifications	BluE-G 3000S	BluE-G 3000D	BluE-G 3600D	BluE-G 4000D	BluE-G 4200D	BluE-G 4600D	BluE-G 5000D
Input(DC)							
Max. DC voltage	600Vd.c.						
Nominal DC voltage	380Vd.c.						
MPPT voltage range	80V-550Vd.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	12.5 Ad.c.	11 Ad.c.*2	11 Ad.c.*2	11 Ad.c.*2	11 Ad.c.*2	12.5 Ad.c.*2	12.5 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	15.6 Ad.c. *2	15.6 Ad.c. *2
Output (AC)							
Nominal AC output Power	3000W	3000W	3600W	4000W	4200W	4600W	4600W
PEmax, max. active power	2809W	2909W	3490W	3928W	4161W	4546W	4580W
SEmax, max apparent power	2937VA	2945VA	3546VA	3931VA	4168VA	4566VA	4586VA
Max. output current	14.5 Aa.c.	14.5 Aa.c.	17.3 Aa.c.	19 Aa.c.	20 Aa.c.	20 Aa.c.	20 Aa.c.
Power factor (Cos phi), adjustable	0.95 leading ~ 0.95 lagging						
Nominal AC voltage	230Va.c.						
Nominal AC grid frequency	50 Hz						

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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 voltage	600Vd.c.						
Nominal 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)							
Nominal AC output Power	3000W	3000W	3000W	3600W	3600W	4000W	4000W
PEmax, max. active power	2889W	3000W	2855W	3587W	3515W	3970W	3818W
SEmax, max apparent power	2897VA	3005VA	2875VA	3591VA	3555VA	3992VA	3884VA
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 (Cos phi), adjustable	0.95 leading ~ 0.95 lagging						
Nominal AC voltage	230Va.c.						
Nominal AC grid frequency	50 Hz						

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Model Specifications	BluE-G 4200D-M0	BluE-G 4200D-M1	BluE-G 4600D-M1	BluE-G 5000D-M1
Input(DC)				
Max. DC voltage	600Vd.c.			
Nominal DC voltage	380Vd.c.			
MPPT voltage range	80V-560Vd.c.			
Number of MPP trackers	1	2	2	2
Strings per MPP tracker	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
PV short circuit current	15.6 Ad.c. *2	18 Ad.c. *2	18 Ad.c. *2	18 Ad.c. *2
Output (AC)				
Nominal AC output Power	4200W	4200W	4600W	4600W
PEmax, max. active power	4187W	4140W	4505W	4585W
SEmax, max apparent power	4197VA	4148VA	4563VA	4594VA
Max. output current	20 Aa.c.	20 Aa.c.	20 Aa.c.	20 Aa.c.
Power factor (Cos phi), adjustable	0.95 leading ~ 0.95 lagging			
Nominal AC voltage	230Va.c.			
Nominal AC grid frequency	50 Hz			

NS protection	
Manufacturer	Shenzhen Kstar New Energy Company Limited
NS protection type	Integrated, Assigned to power generation unit model: BluE-G 3000S, BluE-G 3000S-M1, BluE-G 3000D, BluE-G 3000D-M0, BluE-G 3000D-M1, BluE-G 3600D, BluE-G 3600D-M0, BluE-G 3600D-M1, BluE-G 4000D, BluE-G 4000D-M0, BluE-G 4000D-M1, BluE-G 4200D, BluE-G 4200D-M0, BluE-G 4200D-M1, BluE-G 4600D, BluE-G 4600D-M1, BluE-G 5000D, BluE-G 5000D-M1

Remark: The power generation unit(s) and network and system protection designated above meet the requirements of Network connection rule VDE-AR-N 4105 according to test requirement DIN VDE V 0124-100 (VDE V 0124-100). Test report of E.5 and E.7 of VDE-AR-N 4105 are provided on technical report No.: 64.290.21.30081.01.



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**Tested
according to:**

VDE-AR-N 4105:2018
DIN VDE V 0124-100:2020