

CERTIFICATE

of conformity with the following European Directives

Low Voltage Directive 2014/35/EU

This certifies that below described products of the applicant:

Shenzhen Kstar New Energy Company Limited

The 9th Floor, R&D Building, Kstar Industrial Park, Guangming Hi-tech Industrial Zone, Shenzhen, Guangdong Province, 518107, PEOPLE'S REPUBLIC OF CHINA

comply to the essential requirements of the above mentioned European Directive and the following standards, taking into account the German national deviations:

Product(s):	Grid-Connected Inverter
Model type(s):	BluE-G 1000S, BluE-G 1500S, BluE-G 2000S, BluE-G 3000S-G2, BluE-G 3200S-G2; BluE-G 1000S-M1, BluE-G 1500S-M1, BluE-G 2000S-M1, BluE-G 3000S-G2-M1, BluE-G 3200S-G2-M1
Standard(s):	EN 62109-1:2010; EN 62109-2:2011

This certificate of conformity is based on the evaluation of samples of the product. It does not imply an assessment of the production and it does not permit the use of a mark of conformity or of a safety mark of the TÜV NORD CERT GmbH. The holder of this certificate may use this Certificate together with his EC-Declaration of Conformity.

Registered no.:	44 799 21 406749 -147
Report no.:	492011832.001
File no.:	PVP05072/21B-01



TÜV NORD CERT GmbH
Certification Body
Balance of System (BOS) for Photovoltaics

Essen, 2021-12-09

TÜV NORD CERT GmbH Langemarckstraße 20 45141 Essen www.tuev-nord-cert.de prodcert@tuev-nord.de

Please also pay attention to the information stated overleaf.

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to Certificate registration no. 44 799 21 406749 - 147

Description of product(s):

Model type	BluE-G 3200S-G2		
General information			
Type of inverter	Transformer-less	Separated by	Non-isolated
Safety class	Class I	IP grade	IP66
Over-voltage category	PV Input: II, AC Output: III	Pollution degree	External:3 Internal:2
Operating temperature	-25°C ~60°C (>45°C derating)	Altitude	≤4000m
Weight	8kg	Dimension (W x H x D)	290*120*350mm
Hardware version	REV002	Software version	1.7
PV input			
Vmax	600V	Isc	13.2A
MPP voltage range	80-560V	Number of MPPT tracking	1
Max input current	11A		
AC output			
Rated output voltage	230Vac	Rated output frequency	50Hz/60Hz
Rated output power	3200W	Max. apparent power	3520VA
Max. output current	15.3A	Power factor	0.8 leading to 0.8 lagging



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Model type	BluE-G 3000S-G2		
General information			
Type of inverter	Transformer-less	Separated by	Non-isolated
Safety class.....	Class I	IP grade	IP66
Over-voltage category	PV Input: II, AC Output: III	Pollution degree	External:3 Internal:2
Operating temperature.....	-25°C ~60°C (>45°C derating)	Altitude	≤4000m
Weight.....	8kg	Dimension (W x H x D)	290*120*350mm
Hardware version.....	REV002	Software version.....	1.7
PV input			
Vmax.....	600V	Isc	13.2A
MPP voltage range	80-560V	Number of MPPT tracking	1
Max input current	11A		
AC output			
Rated output voltage.....	230Vac	Rated output frequency	50Hz/60Hz
Rated output power.....	3000W	Max. apparent power	3300VA
Max. output current.....	14.4A	Power factor.....	0.8 leading to 0.8 lagging



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Model type	BluE-G 2000S		
General information			
Type of inverter	Transformer-less	Separated by	Non-isolated
Safety class	Class I	IP grade	IP66
Over-voltage category	PV Input: II, AC Output: III	Pollution degree	External:3 Internal:2
Operating temperature	-25°C ~60°C (>45°C derating)	Altitude	≤4000m
Weight	8kg	Dimension (W x H x D)	290*120*350mm
Hardware version	REV002	Software version	1.7
PV input			
Vmax	600V	Isc	13A
MPP voltage range	80-560V	Number of MPPT tracking	1
Max input current	11A		
AC output			
Rated output voltage	230Vac	Rated output frequency	50Hz/60Hz
Rated output power	2000W	Max. apparent power	2200VA
Max. output current	9.6A	Power factor	0.8 leading to 0.8 lagging



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Model type	BluE-G 1500S		
General information			
Type of inverter	Transformer-less	Separated by	Non-isolated
Safety class	Class I	IP grade	IP66
Over-voltage category	PV Input: II, AC Output: III	Pollution degree	External:3 Internal:2
Operating temperature	-25°C ~60°C (>45°C derating)	Altitude	≤4000m
Weight	8kg	Dimension (W x H x D)	290*120*350mm
Hardware version	REV002	Software version	1.7
PV input			
Vmax	600V	Isc	13.2A
MPP voltage range	80-560V	Number of MPPT tracking	1
Max input current	11A		
AC output			
Rated output voltage	230Vac	Rated output frequency	50Hz/60Hz
Rated output power	1500W	Max. apparent power	1650VA
Max. output current	7.2A	Power factor	0.8 leading to 0.8 lagging



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Model type	BluE-G 1000S		
General information			
Type of inverter	Transformer-less	Separated by	Non-isolated
Safety class.....	Class I	IP grade	IP66
Over-voltage category	PV Input: II, AC Output: III	Pollution degree	External:3 Internal:2
Operating temperature.....	-25°C ~60°C (>45°C derating)	Altitude	≤4000m
Weight.....	7.3kg	Dimension (W x H x D)	290*120*350mm
Hardware version.....	REV002	Software version.....	1.7
PV input			
Vmax.....	600V	Isc	13.2A
MPP voltage range	60-560V	Number of MPPT tracking	1
Max input current	11A		
AC output			
Rated output voltage.....	230Vac	Rated output frequency	50Hz/60Hz
Rated output power.....	1000W	Max. apparent power	1100VA
Max. output current	4.8A	Power factor.....	0.8 leading to 0.8 lagging



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Model type	BluE-G 3200S-G2-M1		
General information			
Type of inverter	Transformer-less	Separated by	Non-isolated
Safety class	Class I	IP grade	IP66
Over-voltage category	PV Input: II, AC Output: III	Pollution degree	External:3 Internal:2
Operating temperature	-25°C ~60°C (>45°C derating)	Altitude	≤4000m
Weight	8kg	Dimension (W x H x D)	290*120*350mm
Hardware version	REV002	Software version	1.7
PV input			
Vmax	600V	Isc	15.6A
MPP voltage range	80-560V	Number of MPPT tracking	1
Max input current	13A		
AC output			
Rated output voltage	230Vac	Rated output frequency	50Hz/60Hz
Rated output power	3200W	Max. apparent power	3520VA
Max. output current	15.3A	Power factor	0.8 leading to 0.8 lagging



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Model type	BluE-G 3000S-G2-M1		
General information			
Type of inverter	Transformer-less	Separated by	Non-isolated
Safety class	Class I	IP grade	IP66
Over-voltage category	PV Input: II, AC Output: III	Pollution degree	External:3 Internal:2
Operating temperature	-25°C ~60°C (>45°C derating)	Altitude	≤4000m
Weight	8kg	Dimension (W x H x D)	290*120*350mm
Hardware version	REV002	Software version	1.7
PV input			
Vmax	600V	Isc	15.6A
MPP voltage range	80-560V	Number of MPPT tracking	1
Max input current	13A		
AC output			
Rated output voltage	230Vac	Rated output frequency	50Hz/60Hz
Rated output power	3000W	Max. apparent power	3300VA
Max. output current	14.4A	Power factor	0.8 leading to 0.8 lagging



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Model type	BluE-G 2000S-M1		
General information			
Type of inverter	Transformer-less	Separated by	Non-isolated
Safety class	Class I	IP grade	IP66
Over-voltage category	PV Input: II, AC Output: III	Pollution degree	External:3 Internal:2
Operating temperature	-25°C ~60°C (>45°C derating)	Altitude	≤4000m
Weight	8kg	Dimension (W x H x D)	290*120*350mm
Hardware version	REV002	Software version	1.7
PV input			
Vmax	600V	Isc	15.6A
MPP voltage range	80-560V	Number of MPPT tracking	1
Max input current	13A		
AC output			
Rated output voltage	230Vac	Rated output frequency	50Hz/60Hz
Rated output power	2000W	Max. apparent power	2200VA
Max. output current	9.6A	Power factor	0.8 leading to 0.8 lagging



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Model type	BluE-G 1500S -M1		
General information			
Type of inverter	Transformer-less	Separated by	Non-isolated
Safety class	Class I	IP grade	IP66
Over-voltage category	PV Input: II, AC Output: III	Pollution degree	External:3 Internal:2
Operating temperature	-25°C ~60°C (>45°C derating)	Altitude	≤4000m
Weight	8kg	Dimension (W x H x D)	290*120*350mm
Hardware version	REV002	Software version	1.7
PV input			
Vmax	600V	Isc	15.6A
MPP voltage range	80-560V	Number of MPPT tracking	1
Max input current	13A		
AC output			
Rated output voltage	230Vac	Rated output frequency	50Hz/60Hz
Rated output power	1500W	Max. apparent power	1650VA
Max. output current	7.2A	Power factor	0.8 leading to 0.8 lagging



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Model type	BluE-G 1000S -M1		
General information			
Type of inverter	Transformer-less	Separated by	Non-isolated
Safety class	Class I	IP grade	IP66
Over-voltage category	PV Input: II, AC Output: III	Pollution degree	External:3 Internal:2
Operating temperature	-25°C ~60°C (>45°C derating)	Altitude	≤4000m
Weight	7.3kg	Dimension (W x H x D)	290*120*350mm
Hardware version	REV002	Software version	1.7
PV input			
Vmax	600V	Isc	15.6A
MPP voltage range	60-560V	Number of MPPT tracking	1
Max input current	13A		
AC output			
Rated output voltage	230Vac	Rated output frequency	50Hz/60Hz
Rated output power	1000W	Max. apparent power	1100VA
Max. output current	4.8A	Power factor	0.8 leading to 0.8 lagging



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Remark:

For detailed product information, please refer to CDF (Constructional Data Form) in Annex 1 of test report.

A handwritten signature in blue ink, appearing to read "Jannik Hennig".

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