

# Certificate of Conformity

No. ESY 075386 0207 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  
(Solar inverter)**

**Model(s):** BluE-3KT-M0, BluE-3KT-M1, BluE-3.6KT-M0, BluE-3.6KT-M1,  
BluE-4KT-M0, BluE-4KT-M1, BluE-5KT-M0, BluE-5KT-M1,  
BluE-6KT-M0, BluE-6KT-M1, BluE-8KT-M0, BluE-8KT-M1,  
BluE-10KT-M0, BluE-10KT-M1, BluE-10KT-M2,  
BluE-12KT-M0, BluE-12KT-M1, BluE-12KT-M2,  
BluE-15KT-M0, BluE-15KT-M1, BluE-15KT-M2, BluE-15KT-M3,  
BluE-17KT-M0, BluE-17KT-M1, BluE-17KT-M2,  
BluE-20KT-M0, BluE-20KT-M1, BluE-20KT-M2, BluE-20KT-M3,  
BluE-22KT-M0, BluE-22KT-M1, BluE-22KT-M2, BluE-22KT-M3,  
BluE-23KT-M0, BluE-23KT-M1, BluE-23KT-M2, BluE-23KT-M3,  
BluE-25KT-M0, BluE-25KT-M1, BluE-25KT-M2, BluE-25KT-M3


**Parameters:** See page 2-10

**Applicable standards:** UNE 217002:2020

This Certificate of Conformity confirms the compliance with the above listed standards on a voluntary basis. It refers only to the sample submitted to TÜV SÜD Product Service GmbH and does not certify the quality or safety of the serial products. It was issued according to TÜV SÜD Product Service certification program Photovoltaics and Grid Integration. For details see: [www.tuvsud.com/ps-cert](http://www.tuvsud.com/ps-cert)

**Test report no.:** 64290223188701

**Date,** 2023-03-17



( Billy Qiu )

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## Inverter Parameters:

Model	BluE-3KT-M0	BluE-3KT-M1	BluE-3.6KT-M0	BluE-3.6KT-M1	BluE-4KT-M0
PV terminal parameters					
Max. Input voltage	1100 Vd.c.				
Max. Current MPPT	2*13 Ad.c.	2*15 Ad.c.	2*13 Ad.c.	2*15 Ad.c.	2*13 Ad.c.
Max. Short Circuit Current MPPT	2*20 Ad.c.				
Start Voltage	180 Vd.c.				
MPPT Operating Voltage Range	140-1000 Vd.c.				
Full load MPPT voltage range	160-850 Vd.c.				190-850 Vd.c.
Rated Input Voltage	650 Vd.c.				
Max.Number of Inputs	2	2	2	2	2
Number of MPPT	2	2	2	2	2
Max. Number of Strings Per MPPT	1	1	1	1	1
Grid terminal parameters					
Rated AC Active Power	3000 W	3000 W	3600 W	3600 W	4000 W
Max. AC Apparent Power	3300 VA	3300 VA	3960 VA	3960 VA	4400 VA
Max. AC Active Power (cosφ=1)	3300 W	3300 W	3960 W	3960 W	4400 W
Rated Output Voltage	230/400 Va.c., 3W+N+PE				
Rated AC Grid Frequency	50 Hz				
Rated Output Current	4.4 Aa.c.	4.4 Aa.c.	5.2 Aa.c.	5.2 Aa.c.	5.8 Aa.c.
Max. Output Current	4.8 Aa.c.	4.8 Aa.c.	5.8 Aa.c.	5.8 Aa.c.	6.4 Aa.c.
Adjustable Power Factor Range	0.8inductive(under-excited) to 0.8capacitive(over-excited)				

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Model	BluE-4KT-M1	BluE-5KT-M0	BluE-5KT-M1	BluE-6KT-M0	BluE-6KT-M1
PV terminal parameters					
Max. Input voltage	1100 Vd.c.				
Max. Current MPPT	2*15 Ad.c.	2*13 Ad.c.	2*15 Ad.c.	2*13 Ad.c.	2*15 Ad.c.
Max. Short Circuit Current MPPT	2*20 Ad.c.				
Start Voltage	180 Vd.c.				
MPPT Operating Voltage Range	140-1000 Vd.c.				
Full load MPPT voltage range	190-850 Vd.c.	240-850 Vd.c.	240-850 Vd.c.	290-850 Vd.c.	290-850 Vd.c.
Rated Input Voltage	650 Vd.c.				
Max. Number of Inputs	2	2	2	2	2
Number of MPPT	2	2	2	2	2
Max. Number of Strings Per MPPT	1	1	1	1	1
Grid terminal parameters					
Rated AC Active Power	4000 W	5000 W	5000 W	6000 W	6000 W
Max. AC Apparent Power	4400 VA	5500 VA	5500 VA	6600 VA	6600 VA
Max. AC Active Power (cosφ=1)	4400 W	5500 W	5500 W	6600 W	6600 W
Rated Output Voltage	230/400 Va.c., 3W+N+PE				
Rated AC Grid Frequency	50 Hz				
Rated Output Current	5.8 Aa.c.	7.3 Aa.c.	7.3 Aa.c.	8.7 Aa.c.	8.7 Aa.c.
Max. Output Current	6.4 Aa.c.	8.0 Aa.c.	8.0 Aa.c.	9.6 Aa.c.	9.6 Aa.c.
Adjustable Power Factor Range	0.8inductive(under-excited) to 0.8capacitive(over-excited)				

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Model	BluE-8KT-M0	BluE-8KT-M1	BluE-10KT-M0	BluE-10KT-M1	BluE-10KT-M2
PV terminal parameters					
Max. Input voltage	1100 Vd.c.				
Max. Current MPPT	2*13 Ad.c.	2*15 Ad.c.	2*13 Ad.c.	2*15 Ad.c.	2*18 Ad.c.
Max. Short Circuit Current MPPT	2*20A				2*30A
Start Voltage	180 Vd.c.				
MPPT Operating Voltage Range	140-1000 Vd.c.				
Full load MPPT voltage range	380-850 Vd.c.	380-850 Vd.c.	420-850 Vd.c.	420-850 Vd.c.	570-850 Vd.c.
Rated Input Voltage	650 Vd.c.				
Max.Number of Inputs	2	2	2	2	1
Number of MPPT	2	2	2	2	1
Max. Number of Strings Per MPPT	1	1	1	1	1
Grid terminal parameters					
Rated AC Active Power	8000 W	8000 W	10000 W	10000 W	10000 W
Max. AC Apparent Power	8800 VA	8800 VA	11000 VA	11000 VA	11000 VA
Max. AC Active Power (cosφ=1)	8800 W	8800 W	11000 W	11000 W	11000 W
Rated Output Voltage	230/400 Va.c., 3W+N+PE				
Rated AC Grid Frequency	50 Hz				
Rated Output Current	11.6 Aa.c.	11.6 Aa.c.	14.5 Aa.c.	14.5 Aa.c.	14.5 Aa.c.
Max. Output Current	12.8 Aa.c.	12.8 Aa.c.	16.0 Aa.c.	16.0 Aa.c.	16.0 Aa.c.
Adjustable Power Factor Range	0.8inductive(under-excited) to 0.8capacitive(over-excited)				

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Model	BluE-12KT-M0	BluE-12KT-M1	BluE-12KT-M2	BluE-15KT-M0	BluE-15KT-M1
PV terminal parameters					
Max. Input voltage	1100 Vd.c.				
Max. Current MPPT	2*13 Ad.c.	2*15 Ad.c.	2*18 Ad.c.	26 Ad.c./13 Ad.c.	30 Ad.c./15 Ad.c.
Max. Short Circuit Current MPPT	2*20 Ad.c.		2*30 Ad.c.	40 Ad.c./20 Ad.c.	
Start Voltage	180 Vd.c.				
MPPT Operating Voltage Range	140-1000 Vd.c.				
Full load MPPT voltage range	480-850 Vd.c.	480-850 Vd.c.	550-850 Vd.c.	420-850 Vd.c.	420-850 Vd.c.
Rated Input Voltage	650 Vd.c.				
Max.Number of Inputs	2	2	2	3	3
Number of MPPT	2	2	2	2	2
Max. Number of Strings Per MPPT	1	1	1	2/1	2/1
Grid terminal parameters					
Rated AC Active Power	12000 W	12000 W	12000 W	15000 W	15000 W
Max. AC Apparent Power	13200 VA	13200 VA	13200 VA	16500 VA	16500 VA
Max. AC Active Power (cosφ=1)	13200 W	13200 W	13200 W	16500 W	16500 W
Rated Output Voltage	230/400 Va.c., 3W+N+PE				
Rated AC Grid Frequency	50 Hz				
Rated Output Current	17.4 Aa.c.	17.4 Aa.c.	17.4 Aa.c.	21.7 Aa.c.	21.7 Aa.c.
Max. Output Current	19.2 Aa.c.	19.2 Aa.c.	19.2 Aa.c.	23.9 Aa.c.	23.9 Aa.c.
Adjustable Power Factor Range	0.8inductive(under-excited) to 0.8capacitive(over-excited)				

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Model	BluE-15KT-M2	BluE-15KT-M3	BluE-17KT-M0	BluE-17KT-M1	BluE-17KT-M2
PV terminal parameters					
Max. Input voltage	1100 Vd.c.				
Max. Current MPPT	2*13 Ad.c.	2*15 Ad.c.	2*26 Ad.c.	2*30 Ad.c.	2*18 Ad.c.
Max. Short Circuit Current MPPT	2*20 Ad.c.	2*20 Ad.c.	2*40 Ad.c.	2*40 Ad.c.	2*30 Ad.c.
Start Voltage	180 Vd.c.				
MPPT Operating Voltage Range	140-1000 Vd.c.				
Full load MPPT voltage range	420-850 Vd.c.	580-850 Vd.c.	450-850 Vd.c.	450-850 Vd.c.	490-850 Vd.c.
Rated Input Voltage	650 Vd.c.				
Max.Number of Inputs	2	2	4	4	2
Number of MPPT	2	2	2	2	2
Max. Number of Strings Per MPPT	1	1	2	2	1
Grid terminal parameters					
Rated AC Active Power	15000 W	15000 W	17000 W	17000 W	17000 W
Max. AC Apparent Power	16500 VA	16500 VA	18700 VA	18700 VA	18700 VA
Max. AC Active Power (cosφ=1)	16500 W	16500 W	18700 W	18700 W	18700 W
Rated Output Voltage	230/400 Va.c., 3W+N+PE				
Rated AC Grid Frequency	50 Hz				
Rated Output Current	21.7 Aa.c.	21.7 Aa.c.	24.6 Aa.c.	24.6 Aa.c.	24.6 Aa.c.
Max. Output Current	23.9 Aa.c.	23.9 Aa.c.	27.1 Aa.c.	27.1 Aa.c.	27.1 Aa.c.
Adjustable Power Factor Range	0.8inductive(under-excited) to 0.8capacitive(over-excited)				

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Model	BluE-20KT-M0	BluE-20KT-M1	BluE-20KT-M2	BluE-20KT-M3	BluE-22KT-M0
PV terminal parameters					
Max. Input voltage	1100 Vd.c.				
Max. Current MPPT	2*26 Ad.c.	2*30 Ad.c.	2*18 Ad.c.	2*20 Ad.c.	2*26 Ad.c.
Max. Short Circuit Current MPPT	2*40 Ad.c.	2*40 Ad.c.	2*30 Ad.c.	2*30 Ad.c.	2*40 Ad.c.
Start Voltage	180 Vd.c.				
MPPT Operating Voltage Range	140-1000 Vd.c.				
Full load MPPT voltage range	480-850 Vd.c.	480-850 Vd.c.	570-850 Vd.c.	510-850 Vd.c.	480-850 Vd.c.
Rated Input Voltage	650 Vd.c.				
Max.Number of Inputs	4	4	2	2	4
Number of MPPT	2	2	2	2	2
Max. Number of Strings Per MPPT	2	2	1	1	2
Grid terminal parameters					
Rated AC Active Power	20000 W	20000 W	20000 W	20000 W	22000 W
Max. AC Apparent Power	22000 VA	22000 VA	22000 VA	22000 VA	24200 VA
Max. AC Active Power (cosφ=1)	22000 W	22000 W	22000 W	22000 W	24200 W
Rated Output Voltage	230/400 Va.c., 3W+N+PE				
Rated AC Grid Frequency	50 Hz				
Rated Output Current	29.0 Aa.c.	29.0 Aa.c.	29.0 Aa.c.	29.0 Aa.c.	31.9 Aa.c.
Max. Output Current	31.9 Aa.c.	31.9 Aa.c.	31.9 Aa.c.	31.9 Aa.c.	35.1 Aa.c.
Adjustable Power Factor Range	0.8inductive(under-excited) to 0.8capacitive(over-excited)				

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Model	BluE-22KT-M1	BluE-22KT-M2	BluE-22KT-M3	BluE-23KT-M0	BluE-23KT-M1
PV terminal parameters					
Max. Input voltage	1100 Vd.c.				
Max. Current MPPT	2*30 Ad.c.	36 Ad.c./ 18 Ad.c.	40 Ad.c./ 20 Ad.c.	2*26 Ad.c.	2*30 Ad.c.
Max. Short Circuit Current MPPT	2*40 Ad.c.	60 Ad.c./ 30 Ad.c.	60 Ad.c./ 30 Ad.c.	2*40 Ad.c.	2*40 Ad.c.
Start Voltage	180 Vd.c.				
MPPT Operating Voltage Range	140-1000 Vd.c.				
Full load MPPT voltage range	480-850 Vd.c.	420-850 Vd.c.	420-850 Vd.c.	480-850 Vd.c.	480-850 Vd.c.
Rated Input Voltage	650 Vd.c.				
Max. Number of Inputs	4	3	3	4	4
Number of MPPT	2	2	2	2	2
Max. Number of Strings Per MPPT	2	2/1	2/1	2	2
Grid terminal parameters					
Rated AC Active Power	22000 W	22000 W	22000 W	23000 W	23000 W
Max. AC Apparent Power	24200 VA	24200 VA	24200 VA	25300 VA	25300 VA
Max. AC Active Power (cosφ=1)	24200 W	24200 W	24200 W	25300 W	25300 W
Rated Output Voltage	230/400 Va.c., 3W+N+PE				
Rated AC Grid Frequency	50 Hz				
Rated Output Current	31.9 Aa.c.	31.9 Aa.c.	31.9 Aa.c.	33.3 Aa.c.	33.3 Aa.c.
Max. Output Current	35.1 Aa.c.	35.1 Aa.c.	35.1 Aa.c.	36.7 Aa.c.	36.7 Aa.c.
Adjustable Power Factor Range	0.8inductive(under-excited) to 0.8capacitive(over-excited)				

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Model	BluE-23KT-M2	BluE-23KT-M3	BluE-25KT-M0	BluE-25KT-M1	BluE-25KT-M2
<b>PV terminal parameters</b>					
Max. Input voltage	1100 Vd.c.				
Max. Current MPPT	36 Ad.c./ 18 Ad.c.	40 Ad.c./ 20 Ad.c.	2*26 Ad.c.	2*30 Ad.c.	36 Ad.c./ 18 Ad.c.
Max. Short Circuit Current MPPT	60 Ad.c./ 30 Ad.c.	60 Ad.c./ 30 Ad.c.	2*40 Ad.c.	2*60 Ad.c.	60 Ad.c./ 30 Ad.c.
Start Voltage	180 Vd.c.				
MPPT Operating Voltage Range	140-1000 Vd.c.				
Full load MPPT voltage range	435-850 Vd.c.	435-850 Vd.c.	500-850 Vd.c.	470-850 Vd.c.	475-850 Vd.c.
Rated Input Voltage	650 Vd.c.				
Max. Number of Inputs	3	3	4	4	3
Number of MPPT	2	2	2	2	2
Max. Number of Strings Per MPPT	2/1	2/1	2	2	2/1
<b>Grid terminal parameters</b>					
Rated AC Active Power	23000 W	23000 W	25000 W	25000 W	25000 W
Max. AC Apparent Power	25300 VA	25300 VA	27500 VA	27500 VA	27500 VA
Max. AC Active Power (cosφ=1)	25300 W	25300 W	27500 W	27500 W	27500 W
Rated Output Voltage	230/400 Va.c., 3W+N+PE				
Rated AC Grid Frequency	50 Hz				
Rated Output Current	33.3 Aa.c.	33.3 Aa.c.	36.2 Aa.c.	36.2 Aa.c.	36.2 Aa.c.
Max. Output Current	36.7 Aa.c.	36.7 Aa.c.	39.9 Aa.c.	39.9 Aa.c.	39.9 Aa.c.
Adjustable Power Factor Range	0.8inductive(under-excited) to 0.8capacitive(over-excited)				

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Model	BluE-25KT-M3
PV terminal parameters	
Max. Input voltage	1100 Vd.c.
Max. Current MPPT	2*40Ad.c.
Max. Short Circuit Current MPPT	2*60 Ad.c.
Start Voltage	180 Vd.c.
MPPT Operating Voltage Range	140-1000 Vd.c.
Full load MPPT voltage range	475-850 Vd.c.
Rated Input Voltage	650 Vd.c.
Max.Number of Inputs	4
Number of MPPT	2
Max. Number of Strings Per MPPT	2
Grid terminal parameters	
Rated AC Active Power	25000 W
Max. AC Apparent Power	27500 VA
Max. AC Active Power (cosφ=1)	27500 W
Rated Output Voltage	230/400 Va.c., 3W+N+PE
Rated AC Grid Frequency	50 Hz
Rated Output Current	36.2 Aa.c.
Max. Output Current	39.9 Aa.c.
Adjustable Power Factor Range	0.8inductive(under-excited) to 0.8capacitive(over-excited)