

# Compliance Document

No. D 075386 0143 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](http://www.tuvsud.com/ps-cert)

**Test report no.:** 64290213008401

**Date,** 2021-04-06



( 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 3000S-M1, BluE-G 3000D-M0, BluE-G 3000D-M1, BluE-G 4000D-M0, BluE-G 4000D-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  | BluE-G 4600D  | BluE-G 5000D  | BluE-G 6000D  |
|-------------------------------------|------------------------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| <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             | 2             | 2             | 2             |
| Strings per MPP tracker             | 1                                  | 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  | 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 | 15.6 Ad.c. *2 |
| <b>Output (AC)</b>                  |                                    |               |               |               |               |               |               |               |
| Normal AC output Power              | 3000W                              | 3000W         | 3600W         | 4000W         | 4200W         | 4600W         | 5000W         | 6000W         |
| Max. AC output Power                | 3300W                              | 3300W         | 3960W         | 4400W         | 4620W         | 5060W         | 5500W         | 6000W         |
| Max. AC apparent Power              | 3300VA                             | 3300VA        | 3960VA        | 4400VA        | 4620VA        | 5060VA        | 5500VA        | 6000VA        |
| Normal AC voltage                   | 230Va.c.                           |               |               |               |               |               |               |               |
| Normal AC grid frequency            | 50 Hz                              |               |               |               |               |               |               |               |
| Max. output current                 | 14.5Aa.c.                          | 14.5Aa.c.     | 17Aa.c.       | 19Aa.c.       | 20Aa.c.       | 22Aa.c.       | 24Aa.c.       | 26Aa.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<br>3000S-M1                 | BluE-G<br>3000D-M0 | BluE-G<br>3000D-M1 | BluE-G<br>4000D-M0 | BluE-G<br>4000D-M1 | BluE-G<br>5000D-M1 | BluE-G<br>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                  | 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         | 15 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         | 18 Ad.c.*2         | 18 Ad.c.*2         |
| <b>Output (AC)</b>                  |                                    |                    |                    |                    |                    |                    |                    |
| Normal AC output Power              | 3000W                              | 3000W              | 3000W              | 4000W              | 4000W              | 5000W              | 6000W              |
| Max. AC output Power                | 3300W                              | 3300W              | 3300W              | 4400W              | 4400W              | 5500W              | 6000W              |
| Max. AC apparent Power              | 3300VA                             | 3300VA             | 3300VA             | 4400VA             | 4400VA             | 5500VA             | 6000VA             |
| Normal AC voltage                   | 230Va.c.                           |                    |                    |                    |                    |                    |                    |
| Normal AC grid frequency            | 50 Hz                              |                    |                    |                    |                    |                    |                    |
| Max. output current                 | 14.5Aa.c.                          | 14.5Aa.c.          | 14.5Aa.c.          | 19Aa.c.            | 19Aa.c.            | 24Aa.c.            | 26Aa.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:**

G99/1-6:2020