



Product Service

# Attestation of Conformity

No. N8A 115067 0005 Rev. 01

**Holder of Certificate:** **Xiamen Kehua Digital Energy Tech Co., Ltd.**

Room 208-38, Hengye Building  
No. 100 Xiangxing Road  
Torch High-tech Zone  
(Xiang'an) Industrial Zone  
361115 Xiamen  
PEOPLE'S REPUBLIC OF CHINA

**Product:** **Converter  
(Energy Storage Inverter)**

This Attestation of Conformity is issued on a voluntary basis according to the Low Voltage Directive 2014/35/EU relating to electrical equipment designed for use within certain voltage limits. It confirms that the listed equipment complies with the principal protection requirements of the directive and is based on the technical specifications applicable at the time of issuance. It refers only to the particular sample submitted for testing and certification. For details see: [www.tuvsud.com/ps-cert](http://www.tuvsud.com/ps-cert)

**Test report no.:** 64290213079402

**Date,** 2022-09-30

( Billy Qiu )

Page 1 of 4

After preparation of the necessary technical documentation as well as the EU declaration of conformity the required CE marking can be affixed on the product. The declaration of conformity is issued under the sole responsibility of the manufacturer. Other relevant EU-directives have to be observed.



Product Service

# Attestation of Conformity

No. N8A 115067 0005 Rev. 01

**Model(s):** iStoragE 3600, iStoragE 5000,  
iStoragE 6000  
iStoragE 3600E, iStoragE 5000E,  
iStoragE 6000E  
iStoragE1 3600, iStoragE1 5000,  
iStoragE1 6000

## Parameters:

| Model                                       | iStoragE 6000<br>iStoragE 6000E | iStoragE 5000,<br>iStoragE 5000E | iStoragE 3600,<br>iStoragE 3600E |
|---------------------------------------------|---------------------------------|----------------------------------|----------------------------------|
| PV terminal                                 |                                 |                                  |                                  |
| Vmax. PV                                    | 580 Vd.c.                       | 580 Vd.c.                        | 580 Vd.c.                        |
| MPPT Voltage Range                          | 100 Vd.c.~550 Vd.c.             | 100 Vd.c.~550 Vd.c.              | 100 Vd.c.~550 Vd.c.              |
| MPPT Voltage Range (full load)              | 300 Vd.c.~450 Vd.c.             | 300 Vd.c.~450 Vd.c.              | 300 Vd.c.~450 Vd.c.              |
| Max. continuous PV input current            | 2*15.0 Ad.c.                    | 2*15.0 Ad.c.                     | 2*15.0 Ad.c.                     |
| Isc PV                                      | 2*18.75 Ad.c.                   | 2*18.75 Ad.c.                    | 2*18.75 Ad.c.                    |
| Max. continuous PV input power              | 9000 W                          | 9000 W                           | 9000 W                           |
| Battery terminal                            |                                 |                                  |                                  |
| Voltage range                               | 85 ~ 450 Vd.c.                  | 85 ~ 450 Vd.c.                   | 85 ~ 450 Vd.c.                   |
| Rated voltage                               | 256 Vd.c.                       | 256 Vd.c.                        | 256 Vd.c.                        |
| Maximum charge/discharge current            | 32 Ad.c.                        | 32 Ad.c.                         | 32 Ad.c.                         |
| Maximum charge/discharge power              | 6000 W                          | 5000 W                           | 3600 W                           |
| Grid terminal parameter                     |                                 |                                  |                                  |
| Rated voltage                               | 230 Va.c.                       |                                  |                                  |
| Rated frequency                             | 50/60 Hz                        |                                  |                                  |
| Rated current output to Grid                | 26.1 Aa.c.                      | 21.7 Aa.c.                       | 15.6 Aa.c.                       |
| Maximum current output to Grid              | 26.1 Aa.c.                      | 21.7 Aa.c.                       | 15.6 Aa.c.                       |
| Rated active power output to Grid           | 6000 W                          | 5000 W                           | 3600 W                           |
| Maximum/rated apparent power output to Grid | 6000 VA                         | 5000 VA                          | 3600 VA                          |
| Maximum current from Grid                   | 52.2 Aa.c.                      | 43.4 Aa.c.                       | 31.2 Aa.c.                       |

Page 2 of 4

After preparation of the necessary technical documentation as well as the EU declaration of conformity the required CE marking can be affixed on the product. The declaration of conformity is issued under the sole responsibility of the manufacturer. Other relevant EU-directives have to be observed.



Product Service

# Attestation of Conformity

No. N8A 115067 0005 Rev. 01

|                                                                    |                                       |            |            |
|--------------------------------------------------------------------|---------------------------------------|------------|------------|
| Maximum apparent power from Grid                                   | 12000 VA                              | 10000 VA   | 7200 VA    |
| Power factor (Cos phi), adjustable                                 | 0.8 leading to 0.8 lagging            |            |            |
| Back up load terminal parameter                                    |                                       |            |            |
| Rated voltage                                                      | 230 Va.c.                             |            |            |
| Rated frequency                                                    | 50/60 Hz                              |            |            |
| Rated output Current                                               | 26.1 Aa.c.                            | 21.7 Aa.c. | 15.6 Aa.c. |
| Maximum continuous output current                                  | 26.1 Aa.c.                            | 21.7 Aa.c. | 15.6 Aa.c. |
| Maximum/rated output apparent power                                | 6000 VA                               | 5000 VA    | 3600 VA    |
| General parameter                                                  |                                       |            |            |
| Temperature                                                        | -25°C to +60°C, derating above 45 °C* |            |            |
| Protective class                                                   | Class I                               |            |            |
| Overvoltage Category                                               | II(DC side), III(AC side)             |            |            |
| Ingress protection                                                 | IP65                                  |            |            |
| Altitude                                                           | <3000m                                |            |            |
| Service humidity range                                             | 4%~100%                               |            |            |
| Remark: * iStorageE 6000 and iStorageE 6000E derating above 40 °C. |                                       |            |            |

| Model                            | iStorageE1 6000     | iStorageE1 5000     | iStorageE1 3600     |
|----------------------------------|---------------------|---------------------|---------------------|
| PV terminal                      |                     |                     |                     |
| Vmax. PV                         | 580 Vd.c.           | 580 Vd.c.           | 580 Vd.c.           |
| MPPT Voltage Range               | 100 Vd.c.~550 Vd.c. | 100 Vd.c.~550 Vd.c. | 100 Vd.c.~550 Vd.c. |
| MPPT Voltage Range               | 300 Vd.c.~450 Vd.c. | 300 Vd.c.~450 Vd.c. | 300 Vd.c.~450 Vd.c. |
| Max. continuous PV input current | 2*15.0 Ad.c.        | 2*15.0 Ad.c.        | 2*15.0 Ad.c.        |
| Isc PV                           | 2*18.75 Ad.c.       | 2*18.75 Ad.c.       | 2*18.75 Ad.c.       |
| Max. continuous PV input power   | 9000 W              | 9000 W              | 9000 W              |
| Battery terminal                 |                     |                     |                     |
| Voltage range                    | 360V~500 Vd.c.      | 360V~500 Vd.c.      | 360V~500 Vd.c.      |
| Rated voltage                    | 400 Vd.c.           | 400 Vd.c.           | 400 Vd.c.           |
| Maximum charge/discharge current | 25 Ad.c.            | 25 Ad.c.            | 25 Ad.c.            |
| Maximum charge/discharge power   | 6000 W              | 5000 W              | 3600 W              |

Page 3 of 4

After preparation of the necessary technical documentation as well as the EU declaration of conformity the required CE marking can be affixed on the product. The declaration of conformity is issued under the sole responsibility of the manufacturer. Other relevant EU-directives have to be observed.



Product Service

# Attestation of Conformity

No. N8A 115067 0005 Rev. 01

| Grid terminal parameter                        |                                    |            |            |
|------------------------------------------------|------------------------------------|------------|------------|
| Rated voltage                                  | 230 Va.c.                          |            |            |
| Rated frequency                                | 50/60 Hz                           |            |            |
| Rated current output to Grid                   | 26.1 Aa.c.                         | 21.7 Aa.c. | 15.6 Aa.c. |
| Maximum current output to Grid                 | 26.1 Aa.c.                         | 21.7 Aa.c. | 15.6 Aa.c. |
| Rated active power output to Grid              | 6000 W                             | 5000 W     | 3600 W     |
| Maximum apparent power output to Grid          | 6000 VA                            | 5000 VA    | 3600 VA    |
| Maximum current from Grid                      | 52.2 Aa.c.                         | 43.4 Aa.c. | 31.2 Aa.c. |
| Maximum apparent power from Grid               | 12000 VA                           | 10000 VA   | 7200 VA    |
| Power factor (Cos phi), adjustable             | 0.8 leading to 0.8 lagging         |            |            |
| Back up load terminal parameter                |                                    |            |            |
| Rated voltage                                  | 230 Va.c.                          |            |            |
| Rated frequency                                | 50/60 Hz                           |            |            |
| Rated output Current                           | 26.1 Aa.c.                         | 21.7 Aa.c. | 15.6 Aa.c. |
| Maximum continuous output current              | 26.1 Aa.c.                         | 21.7 Aa.c. | 15.6 Aa.c. |
| Maximum continuous output power                | 6000 VA                            | 5000 VA    | 3600 VA    |
| General parameter                              |                                    |            |            |
| Temperature                                    | -25℃ to +60℃, derating above 45 ℃* |            |            |
| Protective class                               | Class I                            |            |            |
| Overvoltage Category                           | II(DC side), III(AC side)          |            |            |
| Ingress protection                             | IP65                               |            |            |
| Altitude                                       | <3000m                             |            |            |
| Service humidity range                         | 4%~100%                            |            |            |
| Remark: * iStorageE1 6000 derating above 40 ℃. |                                    |            |            |

**Tested  
according to:**

EN 62109-1:2010  
EN 62109-2:2011

Page 4 of 4

After preparation of the necessary technical documentation as well as the EU declaration of conformity the required CE marking can be affixed on the product. The declaration of conformity is issued under the sole responsibility of the manufacturer. Other relevant EU-directives have to be observed.