



Product Service

Attestation of Conformity

No. E8A 115067 0003 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

Name of Object: **Converter
(Hybrid Inverter)**

This Attestation of Conformity is issued on a voluntary basis according to the Directive 2014/30/EU relating to electromagnetic compatibility. It confirms that the listed apparatus complies with all essential 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

Test report no.: 64772213079702

Date, 2022-10-10

(Peter Jia)

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

Trade name: KEHUA TECH



Description of Object:

| Model | iStoragE 6000, iStoragE 6000E | iStoragE 5000, iStoragE 5000E | iStoragE 3600, 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 | 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 apparent power output to Grid | 6000 VA | 5000 VA | 3600 VA |

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| | | | |
|--|---------------------------------------|------------|------------|
| 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°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: * iStoragE 6000 and iStoragE 6000E derating above 40 °C. | | | |

| Model | iStoragE1 6000 | iStoragE1 5000 | iStoragE1 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. |

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| | | | |
|--|---------------------------------------|------------|------------|
| 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 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°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: * iStoragE1 6000 derating above 40 °C. | | | |

Tested according to:

EN IEC 61000-6-2:2019
 EN IEC 61000-6-3:2021
 EN IEC 61000-3-11:2019
 EN 61000-3-12:2011

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