

# Compliance Document

No. D 075386 0199 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  
(Hybrid 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.:** 64290233034901

**Date,** 2023-03-09



( Billy Qiu )

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**Model(s):** E8KT, E10KT, E12KT

## Parameters:

| Model:  | E8KT   | E10KT         | E12KT         |
|---|--|---------------|---------------|
| <b>PV input parameter</b>   |  |               |               |
| Maximum input voltage   | 1100 Vd.c.   |               |               |
| MPPT voltage range  | 140~1000 Vd.c.   |               |               |
| MPPT voltage range (full load)                                      | 380~850 Vd.c.  | 420~850 Vd.c. | 480~850 Vd.c. |
| Maximum input current   | 2*15 Ad.c.   |               |               |
| PV I <sub>SC</sub>  | 2*20 Ad.c.   |               |               |
| <b>Battery input/output parameter</b>                               |  |               |               |
| Battery type  | Lithium or lead-acid   |               |               |
| Input voltage range   | 44~58 Vd.c.  |               |               |
| Maximum input/output voltage  | 58 Vd.c.   |               |               |
| Maximum charging current  | 160 Ad.c.  |               |               |
| Maximum charging power  | 8000 W   |               |               |
| Maximum discharging current   | 160 Ad.c.  | 200 Ad.c.     |               |
| Maximum discharging power   | 8000 W   | 10000 W       |               |
| <b>Grid parameter</b>   |  |               |               |
| Rated input/output voltage  | 3/N/PE, 230/400 Va.c.  |               |               |
| Rated input/output frequency  | 50 Hz  |               |               |
| Maximum input current   | 25 Aa.c.   |               |               |
| Maximum input active power  | 16000 W  | 17800 W       |               |
| Maximum input apparent power  | 16000 VA   | 17800 VA      |               |
| Maximum input active power from grid to battery                     | 8600 W   |               |               |
| Rated output current  | 11.6 Aa.c.   | 14.5 Aa.c.    | 17.4 Aa.c.    |
| Maximum continuous output current                                   | 12.8 Aa.c.   | 16.0 Aa.c.    | 19.2 Aa.c.    |
| Rated output active power   | 8000 W   | 10000 W       | 12000 W       |
| Maximum output active power   | 8000 W   | 10000 W       | 12000 W       |
| Maximum output apparent power                                       | 8800 VA  | 11000 VA      | 13200 VA      |
| Maximum output active power from battery to grid (without PV input) | 7500 W   | 9300 W        |               |
| Power factor  | 0.9 inductive(under-excited) to 0.9 capacitive(over-excited) |               |               |



Product Service

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License condition:

- (1) The grid connection protection system is evaluated according to DIN VDE 0126-1-1 (VDE V 0126-1-1):2013-08, specially with consideration of "Enedis-FOR-RES\_18E - Information Collection Cards for a Connection Proposal before the file is complete and for a Connection Offer, to the Public Distribution Network managed by Enedis, of a Photovoltaic Production Installation with power greater than 36 kVA (Version 18)". The setting of the integrated protection system of DIN VDE 0126-1-1/A1 VFR 2019 is as follows:  
Over voltage (stage 1: 10 min. mean value): 1.10 Un;  
Over voltage for phase voltage and line voltage (stage 2): 1.15 Un;  
Under voltage for phase voltage and line voltage: 0.80 Un;  
Over frequency: 51.5 Hz;  
Under frequency: 47.5 Hz.
- (2) The installation of this Hybrid Energy Storage Inverter in the plant shall further comply with "Guide Pratique XP C 15-712-3:2016, Photovoltaic installations with storage device and connected to a public distribution network" and other suitable regulations.

**Tested  
according to:**

DIN VDE 0126-1-1:2013 (with national deviation of France: DIN VDE 0126-1-1 VFR 2019)