

Compliance Document

No. D 075386 0188 Rev. 00

Holder of Certificate: **Shenzhen Kstar New Energy Company Limited**
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Kstar Industrial Park, Guangming Hi-tech Industrial Zone
518107 Shenzhen, Guangdong Province
PEOPLE'S REPUBLIC OF CHINA

Product: **Converter
(Hybird 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

Test report no.: 64290223105801

Date, 2023-01-03



(Billy Qiu)

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Model(s): E8KT, E10KT, E12KT

Parameters:

Model Name	E8KT	E10KT	E12KT
Battery Input Data			
Battery Type	Lithium or lead-acid battery		
Battery Voltage Range	44~58Vd.c.		
Nominal battery voltage	51.2Vd.c.		
Max. Charge Current	160Ad.c.		
Max. Discharge Current	.160Ad.c.	200Ad.c	
Max. Charge Power	8000W		
Max. Discharge Power	8000W	10000W	
PV String Input Data			
Max. PV Input Power	16000W	20000W	20000W
Max. PV Input Voltage	1100Vd.c.		
MPPT Range	140-1000Vd.c.		
MPPT Range (Full load)	380~850Vd.c.	420~850Vd.c.	480~850Vd.c.
Nominal PV Input Voltage	720Vd.c.		
Max. Input Current	15/15Ad.c.		
Max. Short Current	20/20Ad.c.		
No. of MPP Trackers	2		
Strings per MPP Tracker	1		
AC terminal Data(On-grid)			
Nominal Output Power	8000W	10000W	12000W
Max. Output Power (PV and battery supply together)	8800VA	11000VA	13200VA
Max. Output Power (PV or battery supply independently)	8000VA	10000VA	12000VA
Maximum output active power from battery to grid (without PV input)	7500W	9300W	
Maximum input active power from grid to battery (without PV input)	8600W		
Nominal Input Power	16000W	17800W	
Max. Input Power	16000VA	17800VA	
Nominal Output Voltage	3W/N/PE, 230/400Va.c.		
Nominal Output Frequency	50/60 Hz		
Max. Output AC Current	12.8Aa.c.	16.0Aa.c.	19.2Aa.c.
Rated Output AC Current	11.6Aa.c.	14.5Aa.c.	17.4Aa.c.
Max. Input AC Current	25.0Aa.c.		
Output Power Factor	0.8 leading to 0.8 lagging		
Backup terminal parameter			



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Max. Output Power (PV and battery supply together or battery independently)	8000VA	10000VA	10000VA
Rated Output Power	7360W	9200W	9200W
Max. Output Power (PV supply independently)	7360VA	9200VA	9200VA
Rated Output current	10.7Aa.c.	13.3Aa.c.	13.3Aa.c.
Max. Output Current	11.6Aa.c	14.5Aa.c.	14.5Aa.c.
Nominal Output Voltage	3/N/PE, 230/400Va.c.		
Nominal Output Frequency	50/60Hz		

**Tested
according to:**

- IEC 60068-2-1:2007
- IEC 60068-2-2:2007
- IEC 60068-2-14:2009
- IEC 60068-2-30:2005
- IEC 61683:1999