

Compliance Document

No. D 075386 0180 Rev. 00

Holder of Certificate: **Shenzhen Kstar New Energy Company Limited**
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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

Test report no.: 64290223105901

Date, 2022-11-11



(Billy Qiu)

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

Parameters:

Model:	E8KT	E10KT	E12KT
PV input parameter			
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 _{sc}	2*20 Ad.c.		
Battery input/output parameter			
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	
Grid parameter			
Rated input/output voltage	3/N/PE, 230/400 Va.c.		
Rated input/output frequency	50/60 Hz		
Maximum input current	30 Aa.c.	32 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 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	0.8 leading~0.8 lagging		
Backup terminal parameter			
Rated output voltage	3/N/PE, 230/400 Va.c.		
Rated output frequency	50/60 Hz		
Rated output current	10.7 Aa.c.	13.3 Aa.c.	13.3 Aa.c.
Maximum continuous output current	11.6 Aa.c.	14.5 Aa.c.	17.4 Aa.c.
Rated output active power	7360 W	9200 W	9200 W
Maximum output apparent power	8000 VA	10000 VA	12000 VA



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**Tested
according to:**

IEC 61727:2004

IEC 62116:2014