

Compliance Document

No. D 075386 0197 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
(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.: 64290223105001

Date, 2023-03-21



(Billy Qiu)

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Model(s): KAC50DP

Parameters:

Model:	KAC50DP
PV input terminal parameters:	
Maximum input voltage	1000 V d.c.
MPPT voltage range	350 V d.c. ~ 800 V d.c.
MPPT voltage range (full load)	515 V d.c. ~ 750 V d.c.
Maximum continuous PV input current	36/36/36 A d.c.
Maximum PV short circuit current	40/40/40 A d.c.
Maximum continuous PV input power	75 kW
Battery input/output terminal parameters:	
Battery type	Lithium-ion battery
Rated voltage	512 V d.c.
Battery voltage range	350 V d.c. ~ 750 V d.c.
Rated charging power	50 kW
Maximum charging current	55/55 A d.c.
Rated discharging power	50 kW
Maximum discharging current	55/55 A d.c.
AC input terminal parameters:	
Rated input voltage	400 V a.c., 3/PE
Rated input frequency	50 / 60 Hz
Maximum continuous input current	80 A a.c.
Maximum input active power	50 kW
Maximum input apparent power	55 kVA
AC output rating	
Rated output voltage	400 V a.c., 3 /PE
Rated output frequency	50 / 60 Hz
Maximum continuous output current	80 A a.c.
Maximum continuous output active power	50 kW
Maximum continuous output apparent power	55 kVA
Power factor	0.9 over-excited to 0.9 under-excited

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