



Product Service

CERTIFICATE

No. B 075386 0194 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

Certification Mark:



Product: **Converter
(Hybrid Inverter)**

The product was tested on a voluntary basis and complies with the essential requirements. The certification mark shown above can be affixed on the product. It is not permitted to alter the certification mark in any way. In addition, the certification holder must not transfer the certificate to third parties. This certificate is valid until the listed date, unless it is cancelled earlier. All applicable requirements of the testing and certification regulations of TÜV SÜD Group have to be complied. For details see: www.tuvsud.com/ps-cert

Test report no.: 64290223104801

Valid until: 2028-02-16

Date, 2023-02-17

(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)	667 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/output terminal parameters:	
Rated voltage	400 V a.c., 3W/PE
Rated frequency	50 / 60 Hz
Maximum continuous current	80 A a.c.
Maximum active power	50 kW
Maximum apparent power	55 kVA
Power factor	0.9 leading to 0.9 lagging
General	
Operating temperature range	-25 °C ~ 60 °C (Derating above 45 °C)
Protection class	I
Ingress protection	IP65
Operating altitude range	≤3000m

Tested according to: IEC 62109-1:2010
 EN 62109-1:2010
 IEC 62109-2:2011
 EN 62109-2:2011
 IEC 62477-1:2012/AMD1:2016
 EN 62477-1:2012/A12:2021