



Product Service

Attestation of Conformity

No. N8A 075386 0307 Rev. 00

Holder of Attestation: **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**

Model(s): KAC125DP2, KAC110DP2, KAC100DP2, KAC80DP2
KAC125D2, KAC110D2, KAC100D2, KAC80D2,
KAC125DP2-S0, KAC110DP2-S0, KAC100DP2-S0,
KAC80DP2-S0, KAC125D2-S0, KAC110D2-S0,
KAC100D2-S0, KAC80D2-S0

Parameters: See page 2-7

Tested according to: EN 62477-1:2012/A12:2021
EN 62109-1:2010
EN 62109-2:2011
EN IEC 62991:2025

This Attestation of Conformity is issued on a voluntary basis according to the Low Voltage Directive 2014/35/EU relating to electrical equipment designed for use within certain voltage limits. It confirms that the listed equipment complies with the principal protection requirements of the directive and is based on the technical specifications applicable at the time of issuance. It refers only to the particular sample submitted for conformity assessment. For details see: www.tuvsud.com/ps-cert

Test report no.: 64290253043201

Date, 2025-12-09

(Billy Qiu)

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Parameters:

Model:	KAC125DP2	KAC110DP2	KAC100DP2	KAC80DP2
PV terminal input parameters:				
Maximum input voltage [Vdc]	1000			
Rated input voltage [Vdc]	720			
PV input operating voltage range [Vdc]	250-950			
MPPT voltage range (Full load) [Vdc]	700-800	660-800	620-800	550-800
Maximum operating PV input current [Adc]	45*8			
Maximum PV short circuit current [Adc]	60*8			
Over voltage category	OVC II			
Battery terminal input/output parameters:				
Battery type	Lithium ion			
Battery nominal voltage [Vdc]	820			
Battery voltage range [Vdc]	200-950			
Maximum charging/discharging power [kW]	125	110	110	88
Maximum charging/discharging current [Adc]	80*2			
Over voltage category	OVC II			
Grid terminal output parameters:				
Rated output voltage [Vac]	230/400, 220/380, 3L+N+PE			
Maximum output apparent power [kVA]	137.5	121	110	88
Maximum output active power [kW]	125	110	100	80
Maximum continuous output current [Aac] at 230 Vac	199	175	160	127
Maximum continuous output current [Aac] at 220 Vac	208	183	167	133
Power factor range	0.8 inductive(under-excited) to 0.8 capacitive(over-excited)			
Grid terminal input parameters:				
Rated output voltage [Vac]	230/400, 220/380, 3L+N+PE			
Maximum continuous output current [Aac] at 230 Vac	217			

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Maximum continuous output current [Aac] at 220 Vac	227			
Maximum input active power [kW]	150			
Rated input/output frequency [Hz]	50/60			
Over voltage category	OVC III			
Backup output rating				
Rated output voltage [Vac]	230/400, 220/380, 3L+N+PE			
Maximum continuous output power [kW]	125	110	100	80
Single-phase power maximum continuous output [kW]	50			
Maximum continuous output current [Aac] at 230 Vac	217			
Maximum continuous output current [Aac] at 220 Vac	227			
Rated output frequency [Hz]	50/60			
Genset terminal input parameter				
Rated input voltage [Vac]	230/400, 220/380, 3L+N+PE			
Maximum input apparent power [kW]	125	121	110	88
Maximum input active power [kW]	125	110	100	80
Maximum continuous output current [Aac] at 230 Vac	217			
Maximum continuous output current [Aac] at 220 Vac	227			
Rated input frequency [Hz]	50/60			
Over voltage category	OVC II			
General				
Operating temperature range [°C]	-25 to 60			
Protective class	Class I			
Ingress protection	IP66			

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Model:	KAC125DP2-S0	KAC110DP2-S0	KAC100DP2-S0	KAC80DP2-S0
PV terminal input parameters:				
Maximum input voltage [Vdc]	1000			
Rated input voltage [Vdc]	720			
PV input operating voltage range [Vdc]	250-950			
MPPT voltage range (Full load) [Vdc]	700-800	660-800	620-800	550-800
Maximum operating PV input current [Adc]	45*8			
Maximum PV short circuit current [Adc]	60*8			
Over voltage category	OVC II			
Battery terminal input/output parameters:				
Battery type	Lithium ion			
Battery nominal voltage [Vdc]	820			
Battery voltage range [Vdc]	200-950			
Maximum charging/discharging power [kW]	125	110	110	88
Maximum charging/discharging current [Adc]	80*2			
Over voltage category	OVC II			
Grid terminal output parameters:				
Rated output voltage [Vac]	230/400, 220/380, 3L+N+PE			
Maximum output apparent power [kVA]	137.5	121	110	88
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Maximum continuous output current [Aac] at 230 Vac	199	175	160	127
Maximum continuous output current [Aac] at 220 Vac	208	183	167	133
Power factor range	0.8 inductive(under-excited) to 0.8 capacitive(over-excited)			
Grid terminal input parameters:				
Rated output voltage [Vac]	230/400, 220/380, 3L+N+PE			
Maximum continuous output current [Aac] at 230 Vac	217			

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Maximum continuous output current [Aac] at 220 Vac	227
Maximum input active power [kW]	150
Rated input/output frequency [Hz]	50/60
Over voltage category	OVC III
General	
Operating temperature range [°C]	-25 to 60
Protective class	Class I
Ingress protection	IP66

Model:	KAC125D2	KAC110D2	KAC100D2	KAC80D2
Battery terminal input/output parameters:				
Battery type	Lithium ion			
Battery nominal voltage [Vdc]	820			
Battery voltage range [Vdc]	200-950			
Maximum continuous output current [Aac] at 230 Vac	125	110	110	88
Maximum continuous output current [Aac] at 220 Vac	80*2			
Over voltage category	OVC II			
Grid terminal output parameters:				
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Power factor range	0.8 inductive(under-excited) to 0.8 capacitive(over-excited)			
Grid terminal input parameters:				
Rated output voltage [Vac]	230/400, 220/380, 3L+N+PE			

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Rated input/output frequency [Hz]	50/60			
Over voltage category	OVC III			
Backup output rating				
Rated output voltage [Vac]	230/400, 220/380, 3L+N+PE			
Maximum continuous output power [kW]	125	110	100	80
Single-phase power maximum continuous output [kW]	50			
Maximum continuous output current [Aac] at 230 Vac	217			
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Maximum continuous output current [Aac] at 220 Vac	227			
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Over voltage category	OVC II			
General				
Operating temperature range [°C]	-25 to 60			
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