



Product Service

Attestation of Conformity

No. E8A 075386 0304 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

Name of Object: **Converter
(Hybrid Inverter)**

This Attestation of Conformity is issued on a voluntary basis according to the Directive 2014/30/EU relating to electromagnetic compatibility. It confirms that the listed apparatus 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.: 64772253043301

Date, 2025-12-01

(Samuel Zhang)

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

Description of Object:

Model:	KAC125DP2	KAC110DP2	KAC100DP2	KAC80DP2
PV input terminal 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	60*8	60*8	60*8
Over voltage category	OVC II			
Battery input/output terminal parameters:				
Battery type	Lithium ion			
Rated voltage range [Vdc]	250-850			
Battery voltage range [Vdc]	200-950			
Maximum charging/discharging power [kW]	125	110	110	88
Maximum charging/discharging current [Adc]	80*2			
AC terminal output parameters:				
Maximum output apparent power [kVA]	137.5	121	110	88
Maximum output active power [kW]	125	110	100	80
Rated output voltage [Vac]	230/400 220/380 3L+N+PE			
Rated continuous	181	160	145	116

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output current [Aac]- 230Vac				
Rated continuous output current [Aac]- 220Vac	189	167	152	121
Maximum continuous output current [Aac] - 230Vac	199	175	160	127
Maximum continuous output current [Aac] - 220Vac	208	183	167	133
AC terminal input parameters:				
Maximum continuous input current [Aac] - 220Vac	227	227	227	227
Maximum continuous input current [Aac] - 230Vac	217	217	217	217
Maximum input active power [kW]	150	150	150	150
Rated input/output frequency [Hz]	50/60			
Power factor range	0.8 inductive(under-excited) to 0.8 capacitive(over-excited)			
Over voltage category	OVC III			
Backup output rating				
Maximum continuous output power [kW]	125	110	100	80
Rated output voltage [Vac]	230/400 220/380 3L+N+PE			
Maximum continuous output single-phase power [kW]	50	50	50	50
Maximum continuous output current [A]- 220Vac	227	227	227	227
Maximum continuous output current [A] 230Vac	217	217	217	217
Rated output frequency [Hz]	50/60			
Genset input				
Maximum input apparent power [kVA]	125	121	110	88
Maximum input active power [kW]	125	110	100	80

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Rated input voltage [Vac]	230/400 220/380 3L+N+PE			
Rated continuous input current [Aac]	181	160	145	116
Maximum continuous input current [A]-220Vac	227	227	227	227
Maximum continuous input current [A] 230Vac	217	217	217	217
Rated input frequency [Hz]	50/60			
General				
Operating temperature range [(°C)]	-25 to 60(> 45°C Derating)			
Protection class	Class 1			
Ingress protection	IP66			

Model:	KAC125D2	KAC110D2	KAC100D2	KAC80D2
Battery input/output terminal parameters:				
Battery type	Lithium ion			
Rated voltage range [Vdc]	250-850			
Battery voltage range [Vdc]	200-950			
Maximum charging/discharging power [kW]	125	110	110	88
Maximum charging/discharging current [Adc]	80*2			
AC terminal output parameters:				
Maximum output apparent power [kVA]	137.5	121	110	88
Maximum output active power [kW]	125	110	100	80
Rated output voltage [Vac]	230/400 220/380 3L+N+PE			
Rated continuous output current [Aac]-230Vac	181	160	145	116
Rated continuous output current [Aac]-220Vac	189	167	152	121
Maximum continuous	199	175	160	127

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output current [Aac] - 230Vac				
Maximum continuous output current [Aac] - 220Vac	208	183	167	133
AC terminal input parameters:				
Maximum continuous input current [Aac] - 220Vac	227	227	227	227
Maximum continuous input current [Aac] - 230Vac	217	217	217	217
Maximum input active power [kW]	150	150	150	150
Rated input/output frequency [Hz]	50/60			
Power factor range	0.8 inductive(under-excited) to 0.8 capacitive(over-excited)			
Over voltage category	OVC III			
Backup output rating				
Maximum continuous output power [kW]	125	110	100	80
Rated output voltage [Vac]	230/400 220/380 3L+N+PE			
Maximum continuous output single-phase power [kW]	50	50	50	50
Maximum continuous output current [A]- 220Vac	227	227	227	227
Maximum continuous output current [A] 230Vac	217	217	217	217
Rated output frequency [Hz]	50/60			
Genset input				
Maximum input apparent power [kW]	125	121	110	88
Maximum input active power [kW]	125	110	100	80
Rated input voltage [Vac]	230/400 220/380 3L+N+PE			
Rated continuous input current [Aac]	181	160	145	116
Maximum continuous	227	227	227	227

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input current [A]-220Vac				
Maximum continuous input current [A] 230Vac	217	217	217	217
Rated input frequency [Hz]	50/60			
General				
Operating temperature range [(°C]	-25 to 60(> 45°C Derating)			
Protection class	Class 1			
Ingress protection	IP66			

Model:	KAC125D2-S0	KAC110D2-S0	KAC100D2-S0	KAC80D2-S0
Battery input/output terminal parameters:				
Battery type	Lithium ion			
Rated voltage range [Vdc]	250-850			
Battery voltage range [Vdc]	200-950			
Maximum charging/discharging power [kW]	125	110	110	88
Maximum charging/discharging current [Adc]	80*2			
AC terminal output parameters:				
Maximum output apparent power [kVA]	137.5	121	110	88
Maximum output active power [kW]	125	110	100	80
Rated output voltage [Vac]	230/400 220/380 3L+N+PE			
Rated continuous output current [Aac]-230Vac	181	160	145	116
Rated continuous output current [Aac]-220Vac	189	167	152	121
Maximum continuous output current [Aac] - 230Vac	199	175	160	127
Maximum continuous output current [Aac] - 220Vac	208	183	167	133
AC terminal input parameters:				

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Maximum continuous input current [Aac] - 220Vac	208	183	167	133
Maximum input active power [kW]	125	110	100	80
Rated input/output frequency [Hz]	50/60			
Power factor range	0.8 inductive(under-excited) to 0.8 capacitive(over-excited)			
Over voltage category	OVC III			
General				
Operating temperature range [(°C)]	-25 to 60(> 45°C Derating)			
Protection class	Class 1			
Ingress protection	IP66			

Model:	KAC125DP2-S0	KAC110DP2-S0	KAC100DP2-S0	KAC80DP2-S0
PV input terminal 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	60*8	60*8	60*8
Over voltage category	OVC II			
Battery input/output terminal parameters:				
Battery type	Lithium ion			
Rated voltage range [Vdc]	250-850			
Battery voltage range [Vdc]	200-950			
Maximum charging/discharging power [kW]	125	110	110	88
Maximum charging/	80*2			

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discharging current [Adc]				
AC terminal output parameters:				
Maximum output apparent power [kVA]	137.5	121	110	88
Maximum output active power [kW]	125	110	100	80
Rated output voltage [Vac]	230/400 220/380 3L+N+PE			
Rated continuous output current [Aac]-230Vac	181	160	145	116
Rated continuous output current [Aac]-220Vac	189	167	152	121
Maximum continuous output current [Aac] - 230Vac	199	175	160	127
Maximum continuous output current [Aac] - 220Vac	208	183	167	133
AC terminal input parameters:				
Maximum continuous input current [Aac] - 230Vac	199	175	160	127
Maximum continuous input current [Aac] - 220Vac	208	183	167	133
Maximum input active power [kW]	125	110	100	80
Rated input/output frequency [Hz]	50/60			
Power factor range	0.8 inductive(under-excited) to 0.8 capacitive(over-excited)			
Over voltage category	OVC III			
General				
Operating temperature range [(°C)]	-25 to 60(> 45°C Derating)			
Protection class	Class 1			
Ingress protection	IP66			

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**Tested
according to:**

EN IEC 61000-6-2:2019
 EN IEC 61000-6-4:2019
 EN 62920:2017/A1:2021

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