



Product Service

Compliance Document

No. D 075386 0335 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**
(Hybrid Inverter & Energy Storage Inverter)

Model(s): **Hybrid Inverter:**
KAC125DP2, KAC110DP2, KAC100DP2,
KAC80DP2, KAC125DP2-S0,
KAC110DP2-S0, KAC100DP2-S0,
KAC80DP2-S0,

Energy Storage Inverter:
KAC125D2, KAC110D2, KAC100D2,
KAC80D2, KAC125D2-S0, KAC110D2-S0,
KAC100D2-S0, KAC80D2-S0

Parameters: See page 2 to 5

Tested C10/11:2025
according to:

This Compliance document confirms the compliance with the listed standards on a voluntary basis. It refers only to the particular sample. This compliance document makes no statement regarding the quality or safety of the serial products. For details see: www.tuvsud.com/ps-cert

Test report no.: 64290253182001

Date, 2026-03-30


(Billy Qiu)



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Parameters:

Model	KAC125DP2	KAC110DP2	KAC100DP2	KAC80DP2
PV terminal parameters				
Maximum input voltage [V _{DC}]	1000	1000	1000	1000
Rated input voltage [V _{DC}]	720	720	720	720
MPPT voltage range (full load) [V _{DC}]	700-800	660-800	620-800	550-800
MPPT tracker number	8	8	8	8
Maximum input current [A _{DC}]	45*8	45*8	45*8	45*8
Isc PV [A _{DC}]	60*8	60*8	60*8	60*8
Maximum input power [kW]	250	200	200	160
Battery input/output parameters				
Battery type	Lithium-ion	Lithium-ion	Lithium-ion	Lithium-ion
Battery rated voltage [V _{DC}]	820	820	820	820
Battery voltage range (full load) [V _{DC}]	820-890	730-890	730-890	580-890
Maximum charge power [kW]	125	110	110	88
Maximum discharge power [kW]	125	110	110	88
Maximum charge current [A _{DC}]	80/80	80/80	80/80	80/80
Maximum discharge current [A _{DC}]	80/80	80/80	80/80	80/80
Grid terminal input parameters				
Rated input voltage [V _{AC}]	3P+N+PE, 230/400	3P+N+PE, 230/400	3P+N+PE, 230/400	3P+N+PE, 230/400
Rated input frequency [Hz]	50	50	50	50
Maximum continuous input current [A _{AC}]	217	217	217	217
Maximum continuous input power from grid to battery [kW]	125	110	110	88
Maximum continuous input active power [kW]	150	150	150	150
Maximum continuous input apparent power [kVA]	150	150	150	150
Power factor range	0.9 inductive(under-excited) to 0.9 capacitive(over-excited)			
Grid terminal output parameters				
Rated output voltage [V _{AC}]	3P+N+PE, 230/400	3P+N+PE, 230/400	3P+N+PE, 230/400	3P+N+PE, 230/400
Rated output frequency [Hz]	50	50	50	50
Rated output current [A _{AC}]	199	175	160	127
Design active power P _D [kW]	123.75	108.9	99	79.2
Rated output active power [kW]	125	110	100	80
Maximum output active power [kW]	125	110	100	80
Maximum continuous output apparent power [kVA]	137.5	121	110	88
Power factor range	0.9 inductive(under-excited) to 0.9 capacitive(over-excited)			



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Model	KAC125DP2-S0	KAC110DP2-S0	KAC100DP2-S0	KAC80DP2-S0
PV terminal parameters				
Maximum input voltage [V _{DC}]	1000	1000	1000	1000
Rated input voltage [V _{DC}]	720	720	720	720
MPPT voltage range (full load) [V _{DC}]	700-800	660-800	620-800	550-800
MPPT tracker number	8	8	8	8
Maximum input current [A _{DC}]	45*8	45*8	45*8	45*8
Isc PV [A _{DC}]	60*8	60*8	60*8	60*8
Maximum input power [kW]	250	200	200	160
Battery input/output parameters				
Battery type	Lithium-ion	Lithium-ion	Lithium-ion	Lithium-ion
Battery rated voltage [V _{DC}]	820	820	820	820
Battery voltage range (full load) [V _{DC}]	820-890	730-890	730-890	580-890
Maximum charge power [kW]	125	110	110	88
Maximum discharge power [kW]	125	110	110	88
Maximum charge current [A _{DC}]	80/80	80/80	80/80	80/80
Maximum discharge current [A _{DC}]	80/80	80/80	80/80	80/80
Grid terminal input parameters				
Rated input voltage [V _{AC}]	3P+N+PE, 230/400	3P+N+PE, 230/400	3P+N+PE, 230/400	3P+N+PE, 230/400
Rated input frequency [Hz]	50	50	50	50
Maximum continuous input current [A _{AC}]	199	175	160	127
Maximum continuous input power from grid to battery [kW]	125	110	110	88
Maximum continuous input active power [kW]	125	110	110	88
Maximum continuous input apparent power [kVA]	137.5	121	110	88
Power factor range	0.9 inductive(under-excited) to 0.9 capacitive(over-excited)			
Grid terminal output parameters				
Rated output voltage [V _{AC}]	3P+N+PE, 230/400	3P+N+PE, 230/400	3P+N+PE, 230/400	3P+N+PE, 230/400
Rated output frequency [Hz]	50	50	50	50
Rated output current [A _{AC}]	199	175	160	127
Design active power P _D [kW]	123.75	108.9	99	79.2
Rated output active power [kW]	125	110	100	80
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Battery input/output parameters				
Battery type	Lithium-ion	Lithium-ion	Lithium-ion	Lithium-ion
Battery rated voltage [V _{DC}]	820	820	820	820
Battery voltage range (full load) [V _{DC}]	820-890	730-890	730-890	580-890
Maximum charge power [kW]	125	110	110	88
Maximum discharge power [kW]	125	110	110	88
Maximum charge current [A _{DC}]	80/80	80/80	80/80	80/80
Maximum discharge current [A _{DC}]	80/80	80/80	80/80	80/80
Grid terminal input parameters				
Rated input voltage [V _{AC}]	3P+N+PE, 230/400	3P+N+PE, 230/400	3P+N+PE, 230/400	3P+N+PE, 230/400
Rated input frequency [Hz]	50	50	50	50
Maximum continuous input current [A _{AC}]	217	217	217	217
Maximum continuous input power from grid to battery [kW]	125	110	110	88
Maximum continuous input active power [kW]	150	150	150	150
Maximum continuous input apparent power [kVA]	150	150	150	150
Power factor range	0.9 inductive(under-excited) to 0.9 capacitive(over-excited)			
Grid terminal output parameters				
Rated output voltage [V _{AC}]	3P+N+PE, 230/400	3P+N+PE, 230/400	3P+N+PE, 230/400	3P+N+PE, 230/400
Rated output frequency [Hz]	50	50	50	50
Rated output current [A _{AC}]	199	175	160	127
Design active power P _D [kW]	123.75	108.9	99	79.2
Rated output active power [kW]	125	110	100	80
Maximum output active power [kW]	125	110	100	80
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Battery input/output parameters				
Battery type	Lithium-ion	Lithium-ion	Lithium-ion	Lithium-ion
Battery rated voltage [V _{DC}]	820	820	820	820
Battery voltage range (full load) [V _{DC}]	820-890	730-890	730-890	580-890
Maximum charge power [kW]	125	110	110	88
Maximum discharge power [kW]	125	110	110	88
Maximum charge current [A _{DC}]	80/80	80/80	80/80	80/80
Maximum discharge current [A _{DC}]	80/80	80/80	80/80	80/80
Grid terminal input parameters				
Rated input voltage [V _{AC}]	3P+N+PE, 230/400	3P+N+PE, 230/400	3P+N+PE, 230/400	3P+N+PE, 230/400
Rated input frequency [Hz]	50	50	50	50
Maximum continuous input current [A _{AC}]	199	175	160	127
Maximum continuous input power from grid to battery [kW]	125	110	110	88
Maximum continuous input active power [kW]	125	110	110	88
Maximum continuous input apparent power [kVA]	137.5	121	110	88
Power factor range	0.9 inductive(under-excited) to 0.9 capacitive(over-excited)			
Grid terminal output parameters				
Rated output voltage [V _{AC}]	3P+N+PE, 230/400	3P+N+PE, 230/400	3P+N+PE, 230/400	3P+N+PE, 230/400
Rated output frequency [Hz]	50	50	50	50
Rated output current [A _{AC}]	199	175	160	127
Design active power P _D [kW]	123.75	108.9	99	79.2
Rated output active power [kW]	125	110	100	80
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