

8 February 2026

Shenzhen Kstar New Energy Company Limited
The 9th Floor, R&D Building, Kstar Industrial Park
Guangming Hi-tech Industrial Zone
Shenzhen, Guangdong, 518107
CHINA

Attention: Irene Feng, TÜV SÜD Certification and Testing (China) Co., Ltd. Guangzhou Branch

CERTIFICATION OF ELECTRICAL EQUIPMENT

It is our pleasure to issue you with the enclosed Certificate of Suitability EESS-260052-0.

Please check and ensure the details are correct in accordance with your application.

It was identified that the applied equipment was categorised as in-scope level 1 equipment, as defined in AS/NZS 4417.2. The ERAC Equipment Safety Rules do not require these certification details to be included to the EESS Platform Database for this category of equipment. This does not negate any requirements for responsible supplier or EESS equipment declarations/registrations on the eess.gov.au website. However certificate details can be found online on the JASANZ online [certificate register](#) and on our Conformity Certificate Register [Certificate Search](#) and will not be uploaded to the EESS Platform.

We remind you that the Regulatory Compliance Mark (RCM) must be used in accordance with its conditions of use as set out in the latest edition of [AS/NZS 4417.1](#).

This certification is based on type testing, modification to the certified product in any way must be notified to EESS Conformity Certification for endorsement. Details of the modification must be advised by completing and submitting the application via our Online Application System (OAS) with your login credentials.

Any change to the name or address of the certificate holder must be notified to EESS Conformity Certification within one calendar month. Changes may be advised by completing and submitting the application via our Online Application System (OAS) with your login credentials.

An application for the transfer of Certificate from the existing Certificate Holder to another/new Certificate Holder may be made to EESS Conformity Certification by completing and submitting the application via our Online Application System (OAS) with your login credentials.

Finally, please use the QR code below to take our two-minute survey and comment on our service.

Should you have any further queries, please contact us.

Yours sincerely,



Lloyd Knipe
Managing Director

Conformity Certification Services Pty Ltd
trading as EESS Conformity Certification



We'd love to know what you thought of our service. Please scan to fill in a brief survey or visit www.eessconformity.com



Certificate No.: EESS-260052-0

CERTIFICATE OF SUITABILITY

Certificate Holder: Shenzhen Kstar New Energy Company Limited
The 9th Floor, R&D Building, Kstar Industrial Park
Guangming Hi-tech Industrial Zone
Shenzhen, Guangdong, 518107
CHINA

Regulatory Definition: Non-Declared
Product Type: Hybrid Inverter
Trade Name(s): KSTAR

Model No(s): *Refer to Certificate Addendum for specific model numbers*

Ratings: PV Input: 1000Vdc max, MPPT Voltage Range: 250-950Vdc, Idc 45Ax 4 max, Isc PV 60Ax 4, 40-100kW max.
Battery: Li-ion, Rated 720Vdc Range 150-900Vdc.
AC Input & Output Grid/Stand-alone: 3P+N+PE 230/400V, 50Hz, 20-72kVA max.
Class I, IP66, ta: 60°C max (Derating > 45°C).
Generator: 3P+N+PE, 400V 50/60Hz 32-80A max.
Refer to Certificate Addendum for specific rating details

Standard(s): IEC 62109-1:2010 – (reference Test Report 64.887.25.30689.01 Part 1 of 3)
IEC 62109-2:2011 – (reference Test Report 64.887.25.30689.01 Part 2 of 3)
AS/NZS 4777.2:2020 +A1 +A2 – (reference Test Report 64.887.25.30689.01 Part 3 of 3)

Condition(s): To be installed by Licensed Electrician in accordance with the AS/NZS Wiring Rules, CEC guidelines and the Manufacturer's Instructions Manual.

Authorised Marking: The Regulatory Compliance Mark (RCM) in accordance with its conditions of use as set out in the latest edition of AS/NZS 4417.1.

Date of Issue: 8 February 2026
Valid Until: 8 February 2031

This certificate is issued by Conformity Certification Services Pty Ltd (CCS) in accordance with the CCS Electrical Product Safety Certification Scheme (EPSC-CCS) as accredited by JAS-ANZ under ISO/IEC 17065. CCS certifies that the Electrical Equipment as described on this certificate complies with the minimum essential safety requirements for which the application has been made. This certificate is not issued under the regulator's recognition for RECS. Certification is based on type testing and within our terms and conditions.

For and on behalf of
Conformity Certification Services Pty Ltd
trading as EESS Conformity Certification

PO Box 359, Revesby North, NSW 2212, Australia
www.eessconformity.com



www.jas-anz.org/register



Certificate No.: EESS-260052-0

CERTIFICATE ADDENDUM

Model:	KAC50DP2	KAC49.9DP2	KAC40DP2	KAC30DP2
PV terminal parameters:				
Maximum PV voltage [V _{DC}]	1000			
Rated voltage [V _{DC}]	720			
MPPT voltage range [V _{DC}]	250 - 950			
MPPT voltage range (full load) [V _{DC}]	620 - 800		500 - 800	400 - 800
Maximum input current [A _{DC}]	45*4			
Isc PV [A _{DC}]	60*4			
Maximum input power [kW]	100.0	99.8	80.0	60.0
Battery terminal input/output parameters:				
Battery type	Lithium ion			
Battery rated voltage [V _{DC}]	720			
Battery voltage range [V _{DC}]	150 - 900			
Maximum charge/discharge power [kW]	25*2	25*2	20*2	15*2
Maximum charge/discharge current [A _{DC}]	80*2	80*2	72*2	65*2
Grid terminal input/output parameters				
Rated input/output voltage [V _{AC}]	3P+N+PE, 230/400			
Rated input/output frequency [Hz]	50			
Maximum continuous input current [A _{AC}]	160.0	144.0	128.0	96.0
Maximum continuous input power from grid to battery [kW]	50.0	49.9	40.0	30.0

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Model:	KAC50DP2	KAC49.9DP2	KAC40DP2	KAC30DP2
Maximum continuous input active power [kW]	100.0	99.8	80.0	60.0
Maximum continuous input apparent power [kVA]	110.0	99.8	88.0	66.0
Rated continuous output current [A _{AC}]	72.0	72.0	58.0	43.0
Maximum continuous output current [A _{AC}]	80.0	72.0	64.0	48.0
Rated continuous output active power [kW]	50.0	49.9	40.0	30.0
Maximum continuous output active power [kW]	50.0	49.9	40.0	30.0
Rated continuous output apparent power [kVA]	50.0	49.9	40.0	30.0
Maximum continuous output apparent power [kVA]	55.0	49.9	44.0	33.0
Power factor range	0.8 inductive(under-excited) to 0.8 capacitive(over-excited)			
Stand-alone terminal parameters				
Rated output voltage [V _{AC}]	3P+N+PE, 230/400			
Rated output frequency [Hz]	50			
Rated output current [A _{AC}]	72.0	72.0	58.0	43.0
Maximum continuous output current [A _{AC}]	80.0	72.0	64.0	48.0
Rated output active power [kW]	50.0	49.9	40.0	30.0
Maximum output active power [W]	50.0	49.9	40.0	30.0
Rated output apparent power [kVA]	50.0	49.9	40.0	30.0
Maximum output apparent power [kVA]	55.0	49.9	44.0	33.0
Power factor range	0.8 inductive(under-excited) to 0.8 capacitive(over-excited)			

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Model:	KAC50DP2	KAC49.9DP2	KAC40DP2	KAC30DP2
Genset terminal input parameters				
Rated input voltage [V _{AC}]	3P+N+PE, 230/400			
Maximum continuous input current [A _{AC}]	80.0	72.0	64.0	48.0
Rated input frequency [Hz]	50/60			
General				
Operating temperature range [°C]	-25 to 60			
Protection class	Class I			
Ingress protection	IP66			

Model:	KAC29.9DP2	KAC25DP2	KAC20DP2
PV terminal parameters:			
Maximum PV voltage [V _{DC}]	1000		
Rated voltage [V _{DC}]	720		
MPPT voltage range [V _{DC}]	250 - 950		
MPPT voltage range (full load) [V _{DC}]	400 - 800	350 - 800	300 - 800
Maximum input current [A _{DC}]	45*4		
Isc PV [A _{DC}]	60		
Maximum input power [kW]	59.8	50.0	40.0

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Certificate No.: EESS-260052-0

CERTIFICATE ADDENDUM

Model:	KAC29.9DP2	KAC25DP2	KAC20DP2
Battery terminal input/output parameters:			
Battery type	Lithium ion		
Battery rated voltage [V _{DC}]	720		
Battery voltage range [V _{DC}]	150 - 900		
Maximum charge/discharge power [kW]	29.9	25.0	20.0
Maximum charge/discharge current [A _{DC}]	65*2	60*2	55*2
Grid terminal input/output parameters			
Rated input/output voltage [V _{AC}]	3P+N+PE, 230/400		
Rated input/output frequency [Hz]	50		
Maximum continuous input current [A _{AC}]	43.0	40.0	32.0
Maximum continuous input power from grid to battery [kW]	87.0	80.0	64.0
Maximum continuous input active power [kW]	59.8	50.0	40.0
Maximum continuous input apparent power [kVA]	59.8	55.0	44.0
Rated continuous output current [A _{AC}]	43.0	36.0	29.0
Maximum continuous output current [A _{AC}]	43.0	40.0	32.0
Rated continuous output active power [kW]	29.9	25.0	20.0
Maximum continuous output active power [kW]	29.9	25.0	20.0
Rated continuous output apparent power [kVA]	29.9	25.0	20.0
Maximum continuous output apparent power [kVA]	29.9	27.5	22.0

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Certificate No.: EESS-260052-0

CERTIFICATE ADDENDUM

Model:	KAC29.9DP2	KAC25DP2	KAC20DP2
Power factor range	0.8 inductive(under-excited) to 0.8 capacitive(over-excited)		
Stand-alone terminal parameters			
Rated output voltage [V _{AC}]	3P+N+PE, 230/400		
Rated output frequency [Hz]	50		
Rated output current [A _{AC}]	43.0	36.0	29.0
Maximum continuous output current [A _{AC}]	43.0	40.0	32.0
Rated output active power [kW]	29.9	25.0	20.0
Maximum output active power [W]	29.9	25.0	20.0
Rated output apparent power [kVA]	29.9	25.0	20.0
Maximum output apparent power [kVA]	29.9	27.5	22.0
Power factor range	0.8 inductive(under-excited) to 0.8 capacitive(over-excited)		
Genset terminal input parameters			
Rated input voltage [V _{AC}]	3P+N+PE, 230/400		
Maximum continuous input current [A _{AC}]	43.0	40.0	32.0
Rated input frequency [Hz]	50/60		
General			
Operating temperature range [°C]	-25 to 60		
Protection class	Class I		
Ingress protection	IP66		

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