

CERTIFICATE OF SUITABILITY

Authorised marking: TUV-028820-E

TÜV Rheinland Australia Pty Ltd "Electrical Product Safety Certification (EPSC) Scheme", accredited by JAS-ANZ in accordance with ISO/IEC 17065, has issued this certificate under JAS-ANZ accreditation. The electrical equipment described hereunder has been evaluated and complied with the standard(s) listed below in accordance with the scheme herein and met the minimum safety requirements contained in Australian Standard AS/NZS 3820 as of current. It is a requirement that all equipment supplied under this certificate shall be identical to the equipment as certified.

CERTIFICATE HOLDER: Shenzhen Kstar New Energy
Company Limited
The 9th floor, R&D building,
Kstar Industrial Park,
Guangming Hi-Tech Industrial Zone
Shenzhen
518107 Guangdong
P.R. China

DESCRIPTION OF ELECTRICAL EQUIPMENT

Declared class: Non-declared
Product: Hybrid Inverter
Trade Name / Manufacturer: KSTAR
Model Number: E3.68KS-D22, E5KS-D22
Ratings: Ratings refer to Continuation Sheets 1 for details
Condition(s):
Standard: AS/NZS 4777.2:2020 + Amd 1:2021 + Amd 2:2024
IEC 62109-2:2011
IEC 62109-1:2010

Issue Date: 10-12-2025
Expiry Date: 10-12-2030

Signed for and on behalf of TÜV Rheinland Australia Pty Ltd



Rafeeqe Mohamed

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CONTINUATION SHEET 1

Description of Equipment

Ratings:

For all models:

Protection: Class I, IP66, PD 3

Operating Temp.: -25°C to 60°C

Overvoltage Category (OVC): DC sides: II; AC side: III

Inverter Topology: Non-isolated

Firmware version: ARM:1.2.01; DSP: 1.2.00

PV input:

Vmax: 500Vdc

VMPPT: 120-480Vdc

Isc: 25/25A

Imax: 20/20A

BATTERY input:

Battery type: Li-ion

Voltage range: 42-58Vdc

Max. charge/discharge current: 80/80, 120/120A

AC input:

Rated Voltage: 220/230/240Vac, L+N+PE

Max Input current: 32, 40A

Power factor: 0.8 leading to 0.8 lagging

Rated frequency: 50/60Hz

AC output(Grid port):

Rated Output voltage: 220/230/240Vac, L+N+PE

Rated frequency: 50/60Hz

Rated Output Apparent power: 3680, 5000VA

Max Output Apparent power: 3680, 5000VA

Rated Output Power: 3680, 5000W

Max Output current: 16.7, 22.7A

Power factor: 0.8 leading to 0.8 lagging

AC output(EPS port):

Rated Output voltage: 220/230/240Vac, L+N+PE

Rated frequency: 50/60Hz

Rated Output Apparent power: 3680, 5000VA

Max Output Apparent power: 3680, 5000VA

Rated Output Power: 3680, 5000W

Rated Output current: 16.0, 21.7A

Power factor: 0.8 leading to 0.8 lagging

Issue Date: 10-12-2025

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Signed for and on behalf of TÜV Rheinland Australia Pty Ltd



Rafeeqe Mohamed **JAS-ANZ**



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