Certificate Number: **AZ 69028822** **Page: 0001**

CERTIFICATE OF SUITABILITY

Authorised marking: TUV-028822-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:	E4KT-D22, E5KT-D22, E6KT-D22, E8KT-D22, E10KT-D22, E12KT-D22
Ratings:	Ratings refer to Continuation Sheets 1 for details
Condition(s):	
Standard:	AS/NZS 4777.2:2020+A1:2021+ A2:2024 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

Rafeeque Mohamed

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CERTIFICATE OF SUITABILITY

CONTINUATION SHEET 1

Description of Equipment
Ratings:
Models: 1) E4KT-D22, 2) E5KT-D22, 3) E6KT-D22,
4) E8KT-D22, 4) E10KT-D22, 6) E12KT-D22
Protection: Class I, IP66, PD 2 Internal; PD 3 External
Operating Temp.: -25°C to 60°C (>40°C derating)
Overvoltage Category (OVC): DC sides: II; AC side: III
Inverter Topology: PV: Non-isolated, BAT: Isolated
Firmware version: DSP1: 1.0.00, DSP2: 1.0.00, ARM: 1.0.00
PV input:
Vmax: 1000Vdc
VMPP : 140-950Vdc
Isc: 1)2)3)4)5)6)25/25A
Imax: 1)2)3)4)5)6)20/20A
DC side:
Rated BAT Voltage: 51.2Vdc
Operating Voltage Range: 44-58Vdc
Max. Charge Current: 1)100A, 2)120A, 3)120A, 4)160A, 5)200A, 6)200A
Max. Discharge Current: 1)100A, 2)120A, 3)150A, 4)200A, 5)240A, 6)240A
Battery type: Lithium-ion
AC Grid output:
Rated Output voltage: 3L+N+PE, 230/400Vac
Rated frequency: 50Hz
Rated Output Apparent power: 1)4kVA, 2)5kVA, 3)6kVA, 4)8kVA, 5)10kVA,6)12kVA
Max Output Apparent power: 1)4.4kVA, 2)5.5kVA, 3)6.6kVA, 4)8.8kVA,5)11kVA, 6)13.2kVA
Rated Output current: 1)5.8A, 2)7.3A, 3)8.7A, 4)11.6A, 5)14.5A, 6)17.4A
Max Output current: 1)13.1A, 2)13.1A, 3)13.1A, 4)26.1A, 5)26.1A, 6)26.1A
Power factor: 0.8 leading to 0.8 lagging
AC Grid input:
Rated Input voltage: 3L+N+PE, 230/400Vac
Rated frequency: 50Hz
Max Input Apparent power: 1)10kVA, 2)11kVA, 3)12kVA, 4)16kVA, 5)20kVA,6)22kVA
Max Input current: 1)21A, 2)22.6A, 3)22.6A, 4)35A, 5)35A, 6)35A
Power factor: 0.8 leading to 0.8 lagging
Backup Output:
Rated Output voltage: 3L+N+PE, 230/400Vac
Rated frequency: 50Hz
Max Output Apparent power: 1)4kVA, 2)5kVA, 3)6Kva, 4)8kVA, 5)10kVA,6)12kVA
Max Output current: 1)13.1A, 2)13.1A, 3)13.1A, 4)26.1A, 5)26.1A, 3)26.1A
Power factor: 0.8 leading to 0.8 lagging

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

Signed for and on behalf of TÜV Rheinland Australia Pty Ltd

Rafeeque Mohamed

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