

# 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



Rafeeqe Mohamed

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## 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

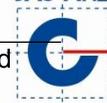
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*Signed for and on behalf of TÜV Rheinland Australia Pty Ltd*



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JAS-ANZ



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