

**Certificate Number:** AZ 69027706

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## CERTIFICATE OF SUITABILITY

**Authorised marking:** TUV-027706-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 found to be electrically safe at the time of certification 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. The certificate holder may affix the above mentioned authorised marking on the product.

### CERTIFICATE HOLDER:

Studer Innotec SA  
rue des Casernes 57  
1950 Sion  
Switzerland

### DESCRIPTION OF EQUIPMENT

**Declared class:**

Non-declared

**Product:**

Multiple mode inverter with Battery and PV

**Trade Name / Manufacturer:**

next 3

**Model Number:**

nx3 16000-48 st AU

**Ratings:**

Ratings refer to Continuation Sheet 1 to 2 for details.

**Standard:**

AS/NZS 4777.2:2020+A1  
IEC 62109-1:2010  
IEC 62109-2:2011

**Issue Date:**

27/08/2024

**Expiry Date:**

27/08/2029

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

A handwritten signature in blue ink, appearing to read 'John Wang', written over a horizontal line.

John Wang



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CONTINUATION SHEET 1

Description of Equipment

Ratings:

For all inverter models: IP20, PD2, Indoor;

Protection: Class I;

Operating Temp.: -20°C to 55°C (Derating at 35°C);

Overvoltage Category (OVC): Battery side: I; PV side: II;

AC side: III

Inverter topology: Non-isolated

Firmware version: 1.0.23.6

PV Input:

VDC max: 900Vdc,

VDC MPPT: 300-700Vdc,

IDC max: 2x22A,

Isc max: 2x27A.

Battery Input:

VDC range: 36-68Vdc,

Max charging/discharging current: 300/300A.

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## CERTIFICATE OF SUITABILITY

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CONTINUATION SHEET 2

Description of Equipment

Ratings:

AC Output:

Output voltage/frequency: 230/400Vac, 3L/N/PE, 50/60Hz,

Power factor: 0.8 ind – 0.8 cap,

Max/Rated Output Power: 15000W,

Rated Output Apparent Power: 15000VA

Max Output Apparent Power: 16000VA

Max /Rated current: 3x80A (Transfer), 3x22A (Inverter)

AC Load Output:

Output voltage/frequency: 230/400Vac, 3L/N/PE, 50/60Hz,

Max/Rated Output Power: 15000W,

Rated Output Apparent Power: 15000VA

Max Output Apparent Power : 16000VA

Max rated current: 3x80A (Transfer), 3x22A (Inverter)

Issue Date: 27/08/2024

Expiry Date: 27/08/2029

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