

Certificate Number: AZ 69026831

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CERTIFICATE OF SUITABILITY

Authorised marking: TUV-026831-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:

Sieyuan Electric Co.,Ltd.
3399 Huaning Road
Minhang District
Shanghai
P.R. China

DESCRIPTION OF EQUIPMENT

Declared class:	Non-declared
Product:	Hybrid Inverter
Trade Name / Manufacturer:	Sieyuan
Model Number:	SiH-5kW-SH , SiH-6kW-SH
Ratings:	Rating details refer to CONTINUATION SHEET 1 - 2
Standard:	AS/NZS 4777.2:2020+A1 IEC 62109-1:2010 IEC 62109-2:2011
Issue Date:	02/02/2023
Expiry Date:	02/02/2028

Signed for and on behalf of TÜV Rheinland Australia Pty Ltd

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Grant Li



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CONTINUATION SHEET 1

DESCRIPTION OF EQUIPMENT

Ratings:

For all models:

Protection: Class I, IP65, PD 2(Inside), PD 3 (Outside)

Operating Temp.: -25°C to 60°C (up 45° de-rating)

Overvoltage Category (OVC): DC input: II; AC Output: III

PV Input:

VDC max: 600Vdc.,

VDC MPPT: 40 – 560Vdc,

IDC max: 16/16A,

Isc PV: 20/20A

Battery input:

Battery type: Li-ion / Lead-acid

Voltage range: 80 -460Vdc,

Max charging/discharging current: 30/30A

Max charging / Discharging power: 6.6/6.6kW

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CONTINUATION SHEET 2

DESCRIPTION OF EQUIPMENT

Ratings:

AC grid input and output:

Normal voltage: 220/230/240V

Output frequency: 50Hz

Rated Output Power: 5kW; 6kW

Rated Output Apparent Power: 5kVA; 6kVA

Rated Output current: 21.8A; 26.1A

Power factor: 1.0 (0.8 leading to 0.8 lagging)

AC backup:

Normal voltage: 220/230/240V

Output frequency: 50Hz

Rated Output Power: 5kW; 6kW

Rated Output Apparent Power: 5kVA; 6kVA

Issue Date: 02/02/2023

Expiry Date: 02/02/2028

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