

CERTIFICATE OF SUITABILITY

Authorised marking: TUV-028833-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: Yinergy Digital Power Technology Co., Ltd.
Building 4&5, No. 161,
Yuancheng Road, Qiantang District
Hangzhou,
310018 Zhejiang
P.R. China

DESCRIPTION OF ELECTRICAL EQUIPMENT

Declared class: Non-declared
Product: Hybrid Inverter
Trade Name / Manufacturer: YiENERGY
Model Number: HI-1P3K-L-Y1 , HI-1P3.68K-L-Y1 , HI-1P4K-L-Y1
HI-1P4.6K-L-Y1 , HI-1P5K-L-Y1 , HI-1P6K-L-Y1
Ratings: Ratings refer to Continuation Sheet 1 for details
Condition(s): N/A
Standard: AS/NZS 4777.2:2020 + Amd 1:2021 + Amd 2:2024
IEC 62109-1:2010
IEC 62109-2:2011

Issue Date: 19-12-2025
Expiry Date: 19-12-2030

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 models HI-1P3K-L-Y1, HI-1P3.68K-L-Y1, HI-1P4K-L-Y1, HI-1P4.6K-L-Y1, HI-1P5K-L-Y1, HI-1P6K-L-Y1

Protection: Class I, IP66, PD 3 (External), PD 2 (Internal)

Operating Temp.: -25°C to 60°C (>45°C derating)

Overvoltage Category (OVC): PV/Battery sides: II; AC side: III

Inverter topology: Non-Isolated

PV input side:

Vmax: 550V d.c.

VMPP: 90 – 520V d.c.

Max. input current: 20/20; 20/20; 20/20; 20/20; 20/20; 20/20A d.c.

Max. short circuit current: 27/27; 27/27; 27/27; 27/27; 27/27; 27/27A d.c.

Battery side:

Battery Voltage Range: 40-60 d.c. V

MAX. Charge/Discharge Current: 75; 75; 100; 100; 125; 135 d.c. A

Battery type: Lithium-ion

AC input and output:

Rated Output voltage: L/N/PE, 230 a.c. V

Rated frequency: 50Hz

Rated Output Power: 3000; 3680; 4000; 4600; 5000; 6000W

Rated Output Apparent power: 3000; 3680; 4000; 4600; 5000; 6000VA

Max. Output Apparent power: 3300; 4080; 4400; 5060; 5500; 6600VA

Rated Output Current: 13; 16; 17.4; 20; 21.7; 26.1 a.c. A

Max. Output Current: 14.3; 17.6; 19.1; 22; 24; 28.7 a.c. A

Max. Input Apparent power: 6000; 7300; 8000; 9200; 10000; 10000VA

Max. Input Current: 26.1; 32; 34.8; 40; 43.5; 43.5 a.c. A

Power factor: 0.8 Leading - 0.8 Lagging

Back-up output:

Rated Output voltage: L/N/PE, 230 a.c. V

Rated Output frequency: 50Hz

Rated Output power: 3000; 3680; 4000; 4600; 5000; 6000W

Rated Output current: 13; 16; 17.4; 20; 21.7; 26.1 a.c. A

Max. Output current: 13; 16; 17.4; 20; 21.7; 26.1 a.c. A

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