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CERTIFICATE OF SUITABILITY

Authorised marking: TUV-025985-E

CONTINUATION SHEET 8

(Modification 5)

1. Add 5 new models:

AI-W5.1-5P3-AU-B; AI-W5.1-6P3-AU-B; AI-W5.1-8P3-AU-B
AI-W5.1-10P3-AU-B; AI-W5.1-12P3-AU-B

2. Modification base on original models SUN-xK-SG04LP3-AU
(variable x can be 5,6,8,10,12): Add magnet rings and
Y capacitor to optimize EMC performance.

Ratings:

Protection: Class I, IP65, PD 2 Internal; PD 3 External

Operating Temp.: -25°C to 60°C (Derating at 45°C)

Overvoltage Category (OVC): DC sides: II; AC side: III

PV input:

Vmax: 800Vdc

VMPP : 200 - 650Vdc

Isc PV(Ad.c.): 19.5+19.5A; 19.5+19.5A; 19.5+19.5A

39+19.5A; 39+19.5A

Imax: 13+13A; 13+13A; 13+13A, 26+13A; 26+13A

Issue Date: 16/08/2024

Expiry Date: 28/04/2027

Signed for and on behalf of TÜV Rheinland Australia Pty Ltd

A handwritten signature in blue ink, appearing to read 'John Wang'.

John Wang



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CONTINUATION SHEET 9

(Modification 5)

Battery input:

Battery type: Lead-acid or Li-ion

Rated voltage: 48Vdc

Voltage range: 40 – 60Vdc

Max charging / discharging current: 120A; 150A; 190A; 210A;
240A

AC output:

Rated Output voltage: 3L/N/PE, 230/400, 240//415V; 50Hz

Max / Rated Output Apparent power: 5kVA; 6kVA; 8kVA; 10kVA;
12kVA

Max / Rated Output Power: 5kW; 6kW; 8kW; 10kW; 12kW

Max / rated Output current: 7.2A; 8.7A; 11.6A; 14.5A; 17.4A

Power factor: 0.8 leading to 0.8 lagging

GEN output:

Rated Output voltage: 3L/N/PE, 230/400, 240/415V; 50Hz

Rated Output Power: 5kW; 6kW; 8kW; 10kW; 12Kw

Rated Output current: 7.2A; 8.7A; 11.6A; 14.5A; 17.4A

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