

Certificate Number: AZ 69028475

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CERTIFICATE OF SUITABILITY

Authorised marking: TUV-028475-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 the Queensland Electrical Safety Act / Recognised External Certification Scheme (RECS), and certifies that the electrical equipment described hereunder has been evaluated and complied with the standard(s) listed below in accordance with the scheme herein at the time of certification. It is a requirement that all equipment supplied under this certificate shall be identical to the equipment as certified. The certificate holder shall use the Regulatory Compliance Mark (RCM) provided all the requirements of AS/NZS 4417.1 & AS/NZS 4417.2 applicable to the article are fulfilled.

CERTIFICATE HOLDER:

MA SOLAR ITALY S.R.L.
Via Torri Bianche 9
20871 Vimercate MB
Italia

DESCRIPTION OF EQUIPMENT

Declared class:

Non-declared

Product:

Solar grid tied inverter

Trade Name / Manufacturer:

FIMER

Model Number:

FIM-HY-6.0-SE-A-1PH, FIM-HY-5.0-SE-A-1PH,
FIM-HY-4.6-SE-A-1PH, FIM-HY-4.0-SE-A-1PH,
FIM-HY-3.3-SE-A-1PH, FIM-HY-3.0-SE-A-1PH,
FIM-HY-2.0-SE-A-1PH

Ratings:

Ratings refer to Continuation Sheet 1 to 12 for details

Standard:

AS/NZS 4777.2:2020 + Amd 1:2021 + Amd 2:2024
IEC 62109-1:2010
IEC 62109-2:2011

Issue Date:

24/10/2025

Expiry Date:

24/10/2030

Signed for and on behalf of TÜV Rheinland Australia Pty Ltd

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Rafeeqe Mohamed



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CONTINUATION SHEET 1

Description of Equipment

Ratings:

For all models of invertors:

Protection: Class I, IP65, PD3

Operating Temp.: -25°C to 60°C

Overvoltage Category (OVC): Battery: II(OVC2);

Grid Output: III(OVC3)

For model: FIM-HY-6.0-SE-A-1PH

PV Port:

V_{max}, abs: 600Vdc

Vdc Operating Range: 150-570Vdc

Vdc MPP CH1/CH2: 200-500Vdc

I_{dc} max CH1/CH2: 16A/16A

I_{sc} max CH1/CH2: 20A/20A

Battery Port:

Vdc Operating Range: 350-560Vdc

I_{dc} max: 17A

Grid Port:

Vac: 220/230/240Va.c single phase

Frequency: 50/60Hz

Sr: 6000VA ; S_{max}: 6000V

Pacr: 6000W; Pacr (at cosφ=±0.9): 5400W

Adj: +/- 0.8 ... 1

Rated Current (I_{ac} nom): 26.1A

Maximum Current (I_{ac} max): 27.3A

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CONTINUATION SHEET 2

Description of Equipment

AC Output/Back Up Mode:

Vac/frequency: 220/230/240Va.c single phase, L+N+PE/50/60Hz

Max. Apparent power S_{Emax} [kVA]: 6.0kVA

Power factor and adj. Range: +/- 0.8 ... 1

Rated Current (I_{ac nom}): 26.1A

Maximum Current (I_{ac max}): 27.3A

Ratings:

For all models of invertors:

Protection: Class I, IP65, PD3

Operating Temp.: -25°C to 60°C

Overvoltage Category (OVC): Battery: II(OVC2);

Grid Output: III(OVC3)

For model: FIM-HY-5.0-SE-A-1PH

PV Port:

V_{max}, abs: 600Vdc

Vdc Operating Range: 136-570Vdc

Vdc MPP CH1/CH2: 180-500Vdc

I_{dc max} CH1/CH2: 16A/16A

I_{sc max} CH1/CH2: 20A/20A

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CONTINUATION SHEET 3

Description of Equipment

Battery Port:

Vdc Operating Range: 350-560Vdc

Idc max: 17A

Grid Port:

Vac: 220/230/240Va.c single phase

Frequency: 50/60Hz

Sr: 5000VA

Smax: 5000VA

Pacr: 5000W

Pacr (at $\cos\phi = \pm 0.9$): 4500W

Adj: $\pm 0.8 \dots 1$

Rated Current (Iac nom): 21.7A

Maximum Current (Iac max): 22.8A

AC Output/Back Up Mode:

Vac/frequency: 20/230/240Va.c single phase, L+N+PE/50/60Hz

Max. Apparent power SEmax [kVA]: 5.0kVA

Power factor and adj. Range: $\pm 0.8 \dots 1$

Rated Current (Iac nom): 21.7A

Maximum Current (Iac max): 22.8A

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CONTINUATION SHEET 4

Description of Equipment

Ratings:

For all models of invertors:

Protection: Class I, IP65, PD3

Operating Temp.: -25°C to 60°C

Overvoltage Category (OVC): Battery: II(OVC2);

Grid Output: III(OVC3)

For model: FIM-HY-4.6-SE-A-1PH

PV Port:

Vmax, abs: 600Vdc

Vdc Operating Range: 136-570Vdc

Vdc MPP CH1/CH2: 170-500Vdc

Idc max CH1/CH2: 16A/16A

Isc max CH1/CH2: 20A/20A

Battery Port:

Vdc Operating Range: 350-560Vdc

Idc max: 17A

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CONTINUATION SHEET 5

Description of Equipment

Grid Port:

Vac: 220/230/240Va.c single phase

Frequency: 50/60Hz

Sr: 4600VA

Smax: 4600VA

Pacr: 4600W

Pacr (at $\cos\phi=\pm 0.9$): 4140W

Adj: +/- 0.8 ... 1

Rated Current (Iac nom): 20.0A

Maximum Current (Iac max): 22.3A

AC Output/Back Up Mode:

Vac/frequency: 220/230/240Va.c single phase, L+N+PE/50/60Hz

Max. Apparent power SEmax [kVA]: 4.6kVA

Power factor and adj. Range: +/- 0.8 ... 1

Rated Current (Iac nom): 20.0A

Maximum Current (Iac max): 22.3A

For all models of invertors:

Protection: Class I, IP65, PD3

Operating Temp.: -25°C to 60°C

Overvoltage Category (OVC): Battery: II(OVC2);

Grid Output: III(OVC3)

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CONTINUATION SHEET 6

Description of Equipment

For model: FIM-HY-4.0-SE-A-1PH

PV Port:

Vmax, abs: 600Vdc

Vdc Operating Range: 115-570Vdc

Vdc MPP CH1/CH2: 165-500Vdc

Idc max CH1/CH2: 16A/16A

Isc max CH1/CH2: 20A/20A

Battery Port:

Vdc Operating Range: 350-560Vdc

Idc max: 17A

Grid Port:

Vac: 220/230/240V a.c single phase

Frequency: 50/60Hz

Sr: 4000VA

Pacr: 4000W

Smax: 4000VA

Pacr: 3600W

Adj: +/- 0.8 ... 1

Rated Current (Iac nom): 17.4A

Maximum Current (Iac max): 19.5A

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CONTINUATION SHEET 7

Description of Equipment

AC Output/Back Up Mode:

Vac/frequency: 220/230/240Va.c single phase, L+N+PE/50/60Hz

Max. Apparent power S_{Emax} [kVA]: 4.0kVA

Power factor and adj. Range: +/- 0.8 ... 1

Rated Current (I_{ac nom}): 17.4A

Maximum Current (I_{ac max}): 19.5A

For all models of invertors:

Protection: Class I, IP65, PD3

Operating Temp.: -25°C to 60°C

Overvoltage Category (OVC): Battery: II(OVC2);

Grid Output: III(OVC3)

For model: FIM-HY-3.6-SE-A-1PH

PV Port:

V_{max}, abs: 600Vdc

V_{dc} Operating Range: 95-570Vdc

V_{dc} MPP CH1/CH2:145-500Vdc

I_{dc} max CH1/CH2:16A/16A

I_{dc} max CH1/CH2:16A/16A

I_{sc} max CH1/CH2:20A/20A

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CONTINUATION SHEET 8

Description of Equipment

Battery Port:

Vdc Operating Range: 350-560Vdc

Idc max: 17A

Grid Port:

Vac: 220/230/240Va.c single phase

Frequency: 50/60Hz

Sr: 3600VA

Smax: 3600VA

Pacr: 3600W

Pacr: 3240W

Adj: +/- 0.8 ... 1

Rated Current (Iac nom): 15.7A

Maximum Current (Iac max): 16A

AC Output/Back Up Mode:

Vac/frequency: 220/230/240Va.c single phase, L+N+PE/50/60Hz

Max. Apparent power SEmax [kVA]: 3.6kVA

Power factor and adj. Range: +/- 0.8 ... 1

Rated Current (Iac nom): 15.7A

Maximum Current (Iac max): 16A

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CONTINUATION SHEET 9

Description of Equipment

For all models of invertors:

Protection: Class I, IP65, PD3

Operating Temp.: -25°C to 60°C

Overvoltage Category (OVC): Battery: II(OVC2);

Grid Output: III(OVC3)

For model: FIM-HY-3.3-SE-A-1PH

PV Port:

Vmax, abs: 600Vdc

Vdc Operating Range: 95-570Vdc

Vdc MPP CH1/CH2: 135-500Vdc

Idc max CH1/CH2: 16A/16A

Battery Port:

Isc max CH1/CH2: 20A/20A

Vdc Operating Range: 350-560Vdc

Idc max: 17A

Grid Port:

Vac: 220/230/240Va.c single phase

Frequency: 50/60Hz

Sr: 3300VA ; Pacr: 3300W

Pacr: 2970W ; Adj: +/- 0.8 ... 1

Rated Current (Iac nom): 14.4A

Maximum Current (Iac max): 16.0A

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CONTINUATION SHEET 10

Description of Equipment

AC Output/Back Up Mode:

Vac/frequency: 220/230/240Va.c single phase, L+N+PE/50/60Hz

Max. Apparent power SEmax [kVA]: 3.3kVA

Power factor and adj. Range: +/- 0.8 ... 1

Rated Current (Iac nom): 14.4A

Maximum Current (Iac max): 16.0A

For all models of invertors:

Protection: Class I, IP65, PD3

Operating Temp. -25°C to 60°C

Overvoltage Category (OVC): Battery: II(OVC2);

Grid Output: III(OVC3)

For model: FIM-HY-3.0-SE-A-1PH

PV Port:

Vmax, abs: 600Vdc

Vdc Operating Range: 95-570Vdc

Vdc MPP CH1/CH2: 135-500Vdc

Idc max CH1/CH2: 16A/16A

Isc max CH1/CH2: 20A/20A

Battery Port:

Vdc Operating Range: 350-560Vdc

Idc max: 17A

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CONTINUATION SHEET 11

Description of Equipment

Grid Port:

Vac: 220/230/240Va.c single phase

Frequency: 50/60Hz

Sr: 3000VA

Smax: 3000VA

Pacr: 3000W

Pacr: 2700W

Adj: +/- 0.8 ... 1

Rated Current (Iac nom): 13.0A

Maximum Current (Iac max): 14.5A

AC Output/Back Up Mode:

Vac/frequency: 220/230/240Va.c single phase, L+N+PE/50/60Hz

Max. Apparent power SEmax [kVA]: 3.0kVA

Power factor and adj. Range: +/- 0.8 ... 1

Rated Current (Iac nom): 13.0A

Maximum Current (Iac max): 14.5A

For all models of invertors:

Protection: Class I, IP65, PD3

Operating Temp.: -25°C to 60°C

Overvoltage Category (OVC): Battery: II(OVC2);

Grid Output: III(OVC3)

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CONTINUATION SHEET 12

Description of Equipment

For model: FIM-HY-2.0-SE-A-1PH

PV Port:

Vmax, abs: 600Vdc

Vdc Operating Range: 95-570Vdc

Vdc MPP CH1:135-500Vdc

Idc max CH1:16A

Isc max CH1: 20A

Battery Port:

Vdc Operating Range: 350-560Vdc

Idc max: 17A

Grid Port:

Vac: 220/230/240Va.c single phase

Frequency:50/60Hz

Sr: 2000VA ;Smax: 2000VA

Pacr: 2000W ;Adj: +/- 0.8 ... 1

Rated Current (Iac nom): 8.7A

Maximum Current (Iac max): 10A

AC Output/Back Up Mode:

Vac/frequency:220/230/240Va.c single phase, L+N+PE/50/60Hz

Max. Apparent power SEmax [kVA]:2.0kVA

Power factor and adj. Range:+/- 0.8 ... 1

Rated Current (Iac nom): 8.7A

Maximum Current (Iac max): 10A

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