

CERTIFICATE OF CONFORMITY

Issued to: Maitian Energy Co., Ltd.
Room A203, Building C, No. 205,
Binghai Six Road, New Airport Industry Area,
Longwan District, Wenzhou City, Zhejiang Province, P.R. China

For the product: Grid-connected PV inverter



Trade name:

Type/Model: F3000; F3600; F4600; F5000; F5300; F6000

Ratings: See Annex

Manufactured by: Maitian Energy Co., Ltd.
Room A203, Building C, No. 205,
Binghai Six Road, New Airport Industry Area,
Longwan District, Wenzhou City, Zhejiang Province, P.R. China

Requirements: EN 50549-1:2019, PN-EN 50549-1:2019(Requirements for type A Generating Units)
COMMISSION REGULATION (EU) 2016/631 (NC RfG)

The subject of the declaration described above complies with the requirements of the following documents for type A PGM installations:

- Commission Regulation (EU) 2016/631 of 14 April 2016 establishing a network code on the requirements for connecting generating units to the network (Journal of Laws UE L 112/1 of 27 April 2016);
- General Application Requirements resulting from the Regulation of the EU Commission 2016/631 of April 14, 2016 establishing the network code on the requirements for connecting generating units to the grid - approved by the Decision of the President of the Energy Regulatory Office DRE.WOSE.7128.550.2.2018.ZJ of January 2, 2019;
- Instructions for the Operation and Maintenance of the Distribution Network of the Distribution System Operator (DSO).

This Test Certificate is granted on account of an examination by DEKRA, the results of which are laid down in a confidential file no. 6099517.50 V1.1

DEKRA Testing and Certification (Shanghai) Ltd. declares that it is accredited in accordance with the ISO / IEC 17065, and this standard is identical with PN-EN ISO / IEC 17065.

The examination has been carried out on one single specimen or several specimens of the product, submitted by the manufacturer. The certificate does not include an assessment of the manufacturer's production. Conformity of his production with the specimen tested by DEKRA is not the responsibility of DEKRA.

Shanghai, 28 July 2021

Certificate no: 6099517.01COC

It expires at the latest on: 28 July 2026

DEKRA Testing and Certification (Shanghai) Ltd.

Cliff Lin
Certification Manager

© Integral publication of this certificate and adjoining reports is allowed

Accreditation of the certification body by IAS according to ISO/IEC 17065 for products.
Accreditation is valid in the areas of certification mentioned in the certificate.



ACCREDITED
Product Certification
Agency

PCA-141

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Annex to 6099517.01COC

Ratings of the test product:

Operating temperature range: - 20°C to + 60°C

Protective class: I

Ingress protection rating: IP65

Power factor range (adjustable): 0.8 leading...0.8 lagging

F3000:

PV input: Max. 600 Vdc, MPPT voltage range: 80-550 Vdc, max 12.5A /12.5 A, Isc PV: 15 A/15 A

Output: 230Vac, 50 Hz , rated apparent power 3000 VA, max apparent power 3300 VA, max 14.3 A

F3600:

PV input: Max. 600 Vdc, MPPT voltage range: 80-550 Vdc, max 12.5A /12.5 A, Isc PV: 15 A/15 A

Output: 230Vac, 50 Hz , rated apparent power 3600 VA, max apparent power 3960 VA, max 17.2 A

F4600:

PV input: Max. 600 Vdc, MPPT voltage range: 80-550 Vdc, max 12.5A /12.5 A, Isc PV: 15 A/15 A

Output: 230Vac, 50 Hz , rated apparent power 4600 VA, max apparent power 5060 VA, max 22.0 A

F5000:

PV input: Max. 600 Vdc, MPPT voltage range: 80-550 Vdc, max 12.5A /12.5 A, Isc PV: 15 A/15 A

Output: 230Vac, 50 Hz , rated apparent power 5000 VA, max apparent power 5500 VA, max 23.9 A

F5300:

PV input: Max. 600 Vdc, MPPT voltage range: 80-550 Vdc, max 12.5A /12.5 A, Isc PV: 15 A/15 A

Output: 230Vac, 50 Hz , rated apparent power 5300 VA, max apparent power 5830 VA, max 25.3 A

F6000:

PV input: Max. 600 Vdc, MPPT voltage range: 80-550 Vdc, max 12.5A /12.5 A, Isc PV: 15 A/15 A

Output: 230Vac, 50 Hz , rated apparent power 6000 VA, max apparent power 6000 VA, max 26.1 A