


CERTIFICATE OF CONFORMITY

Issued to: Huawei Digital Power Technologies Co., Ltd.
Office 01, 39th Floor, Block A, Antuoshan Headquarters Towers, 33 Antuoshan 6th Road, Futian District, Shenzhen, 518043 Guangdong, P.R. China

For the product: SOLAR INVERTER

Trade name: 
HUAWEI

Type/Model: SUN2000-12KTL-M5, SUN2000-15KTL-M5, SUN2000-17KTL-M5,
SUN2000-20KTL-M5, SUN2000-25KTL-M5, SUN2000-25K-MB0, SUN2000-20K-MB0,
SUN2000-17K-MB0, SUN2000-15K-MB0, SUN2000-12K-MB0, SUN5000-17K-MB0,
SUN5000-25K-MB0

Ratings: See Annex

Manufactured by: Huawei Digital Power Technologies Co., Ltd.
Office 01, 39th Floor, Block A, Antuoshan Headquarters Towers, 33 Antuoshan 6th Road, Futian District, Shenzhen, 518043 Guangdong, P.R. China

Requirements: PGC Resolution No.07, Series of 2013
A resolution adopting and approving addendum to amendment no. 1 of the Philippine grid code (PGC), establishing the connection and operational requirements for variable renewable energy (VRE) generating facilities

This Test Certificate is granted on account of an examination by DEKRA, the results of which are laid down in a confidential file no. 6181182.50

The examination has been carried out on one single specimen of the product. The Attestation does not include an assessment of the manufacturer's production. Conformity of this production with the specimen tested by DEKRA is not the responsibility of DEKRA.

This Test Certificate expires at the latest on 6 June 2029 or expires upon withdrawal of one of the above mentioned standards.

Shanghai, 6 June 2024 Number: 6181182.01COC

DEKRA Testing and Certification (Shanghai) Ltd.



Cliff Lin
Certification Manager

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ESA-CER-F021 v4.1

Ratings of the test product:

Operating temperature range: - 25°C to + 60°C

Protective class: I

Ingress protection rating: IP66

Overvoltage category: II (DC); III (AC MAINS)

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

SUN2000-12KTL-M5:

PV input: max 1100 Vdc, MPPT voltage range: 200–1000 Vdc,
max 30 A/30 A, I_{sc} PV: 40 A/40 A

AC output: 3/N/PE, 220/380 Vac, 230/400 Vac, 240/415 Vac, 60 Hz, rated apparent power 12 kVA, max
apparent power 13.2 kVA, rated current: 18.2 A (380 Vac), 17.3 A (400 Vac), 16.7 A (415 Vac), max current:
20.2 A (380 Vac), 19.1 A (400 Vac), 18.5 A (415 Vac)

SUN2000-12K-MB0:

Battery normal voltage: 600Vdc, Battery voltage range: 600-980Vdc,

Battery maximum current: 26.25 Adc/26.25 Adc, Battery type: Li-ion

PV input: max 1100 Vdc, MPPT voltage range: 200–1000 Vdc,

max 30 A/30 A, I_{sc} PV: 40 A/40 A

AC output: 3/N/PE, 220/380 Vac, 230/400 Vac, 240/415 Vac, 60 Hz, rated apparent power 12 kVA, max
apparent power 13.2 kVA, rated current: 18.2 A (380 Vac), 17.3 A (400 Vac), 16.7 A (415 Vac), max current:
20.2 A (380 Vac), 19.1 A (400 Vac), 18.5 A (415 Vac)

SUN2000-15KTL-M5:

PV input: max 1100 Vdc, MPPT voltage range: 200–1000 Vdc,

max 30 A/30 A, I_{sc} PV: 40 A/40 A

AC output: 3/N/PE, 220/380 Vac, 230/400 Vac, 240/415 Vac, 60 Hz, rated apparent power 15 kVA, max
apparent power 16.5 kVA, rated current: 22.8 A (380 Vac), 21.7 A (400 Vac), 20.9 A (415 Vac), max current:
25.2 A (380 Vac), 23.9 A (400 Vac), 23.1 A (415 Vac)

SUN2000-15K-MB0:

Battery normal voltage: 600Vdc, Battery voltage range: 600-980Vdc,

Battery maximum current: 26.25 Adc/26.25 Adc, Battery type: Li-ion

PV input: max 1100 Vdc, MPPT voltage range: 200–1000 Vdc,

max 30 A/30 A, I_{sc} PV: 40 A/40 A

AC output: 3/N/PE, 220/380 Vac, 230/400 Vac, 240/415 Vac, 60 Hz, rated apparent power 15 kVA, max
apparent power 16.5 kVA, rated current: 22.8 A (380 Vac), 21.7 A (400 Vac), 20.9 A (415 Vac), max current:
25.2 A (380 Vac), 23.9 A (400 Vac), 23.1 A (415 Vac)

SUN2000-17KTL-M5:

PV input: max 1100 Vdc, MPPT voltage range: 200–1000 Vdc,

max 30 A/30 A, I_{sc} PV: 40 A/40 A

AC output: 3/N/PE, 220/380 Vac, 230/400 Vac, 240/415 Vac, 60 Hz, rated apparent power 17 kVA, max
apparent power 18.7 kVA, rated current: 25.8 A (380 Vac), 24.5 A (400 Vac), 23.7 A (415 Vac), max current:
28.6 A (380 Vac), 27.1 A (400 Vac), 26.1 A (415 Vac)

SUN2000-17K-MB0:

Battery normal voltage: 600Vdc, Battery voltage range: 600-980Vdc,

Battery maximum current: 26.25 Adc/26.25 Adc, Battery type: Li-ion

PV input: max 1100 Vdc, MPPT voltage range: 200–1000 Vdc,

max 30 A/30 A, I_{sc} PV: 40 A/40 A

AC output: 3/N/PE, 220/380 Vac, 230/400 Vac, 240/415 Vac, 60 Hz, rated apparent power 17 kVA, max
apparent power 18.7 kVA, rated current: 25.8 A (380 Vac), 24.5 A (400 Vac), 23.7 A (415 Vac), max current:
28.6 A (380 Vac), 27.1 A (400 Vac), 26.1 A (415 Vac)

SUN2000-20KTL-M5:

PV input: max 1100 Vdc, MPPT voltage range: 200–1000 Vdc,

max 30 A/30 A, I_{sc} PV: 40 A/40 A

AC output: 3/N/PE, 220/380 Vac, 230/400 Vac, 240/415 Vac, 60 Hz, rated apparent power 20 kVA, max apparent power 22 kVA, rated current: 30.4 A (380 Vac), 28.9 A (400 Vac), 27.8 A (415 Vac), max current: 33.6 A (380 Vac), 31.9 A (400 Vac), 30.8 A (415 Vac)

SUN2000-20K-MB0:

Battery normal voltage: 600Vdc, Battery voltage range: 600-980Vdc,

Battery maximum current: 26.25 Adc/26.25 Adc, Battery type: Li-ion

PV input: max 1100 Vdc, MPPT voltage range: 200–1000 Vdc,

max 30 A/30 A, I_{sc} PV: 40 A/40 A

AC output: 3/N/PE, 220/380 Vac, 230/400 Vac, 240/415 Vac, 60 Hz, rated apparent power 20 kVA, max apparent power 22 kVA,

rated current: 30.4 A (380 Vac), 28.9 A (400 Vac), 27.8 A (415 Vac), max current: 33.6 A (380 Vac), 31.9 A (400 Vac), 30.8 A (415 Vac)

SUN2000-25KTL-M5:

PV input: max 1100 Vdc, MPPT voltage range: 200–1000 Vdc,

max 30 A/30 A, I_{sc} PV: 40 A/40 A

AC output: 3/N/PE, 220/380 Vac, 230/400 Vac, 240/415 Vac, 60 Hz, rated apparent power 25 kVA, max apparent power 27.5 kVA, rated current: 38.0 A (380 Vac), 36.1 A (400 Vac), 34.8 A (415 Vac), max current: 42.0 A (380 Vac), 39.9 A (400 Vac), 38.5 A (415 Vac)

SUN2000-25K-MB0:

Battery normal voltage: 600Vdc, Battery voltage range: 600-980Vdc,

Battery maximum current: 26.25 Adc/26.25 Adc, Battery type: Li-ion

PV input: max 1100 Vdc, MPPT voltage range: 200–1000 Vdc,

max 30 A/30 A, I_{sc} PV: 40 A/40 A

AC output: 3/N/PE, 220/380 Vac, 230/400 Vac, 240/415 Vac, 60 Hz, rated apparent power 25 kVA, max apparent power 27.5 kVA, rated current: 38.0 A (380 Vac), 36.1 A (400 Vac), 34.8 A (415 Vac), max current:

42.0 A (380 Vac), 39.9 A (400 Vac), 38.5 A (415 Vac)

SUN5000-17K-MB0:

Battery normal voltage: 600Vdc, Battery voltage range: 600-980Vdc,

Battery maximum current: 26.25 Adc/26.25 Adc, Battery type: Li-ion

PV input: max 1100 Vdc, MPPT voltage range: 200–1000 Vdc,

max 30 A/30 A, I_{sc} PV: 40 A/40 A

AC output: 3/N/PE, 220/380 Vac, 230/400 Vac, 240/415 Vac, 60 Hz, rated apparent power 17 kVA, max apparent power 18.7 kVA, rated current: 25.8 A (380 Vac), 24.5 A (400 Vac), 23.7 A (415 Vac), max current:

28.6 A (380 Vac), 27.1 A (400 Vac), 26.1 A (415 Vac)

SUN5000-25K-MB0:

Battery normal voltage: 600Vdc, Battery voltage range: 600-980Vdc,

Battery maximum current: 26.25 Adc/26.25 Adc, Battery type: Li-ion

PV input: max 1100 Vdc, MPPT voltage range: 200–1000 Vdc,

max 30 A/30 A, I_{sc} PV: 40 A/40 A

AC output: 3/N/PE, 220/380 Vac, 230/400 Vac, 240/415 Vac, 60 Hz, rated apparent power 25 kVA, max apparent power 27.5 kVA, rated current: 38.0 A (380 Vac), 36.1 A (400 Vac), 34.8 A (415 Vac), max current:

42.0 A (380 Vac), 39.9 A (400 Vac), 38.5 A (415 Vac)

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