

Certificate of Conformity

No. ESY 114387 0145 Rev. 00

Holder of Certificate: **Huawei Digital Power Technologies Co., Ltd.**
Office 01, 39th Floor, Block A
Antuoshan Headquarters Towers
33 Antuoshan 6th Road, Futian District
518043 Shenzhen
PEOPLE'S REPUBLIC OF CHINA

Product: **Converter
(PV Inverter)**

Model(s): **SUN2000-6K-LB0, SUN2000-5K-LB0,
SUN2000-4.6K-LB0, SUN2000-4K-LB0,
SUN2000-3.68K-LB0, SUN2000-3K-LB0,
SUN5000-6K-LB0, SUN5000-3K-LB0**

Parameters: See page 3

Applicable standards: NTS V2.1:2021-07

This Certificate of Conformity confirms the compliance with the above listed standards on a voluntary basis. It refers only to the sample submitted to TÜV SÜD Product Service GmbH and does not certify the quality or safety of the serial products. It was issued according to TÜV SÜD Product Service certification program Photovoltaics and Grid Integration. For details see: www.tuvsud.com/ps-cert

Test report no.: 64290243148401

Date, 2024-12-04



(Billy Qiu)

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Certification Body TÜV SÜD Product Service GmbH performed assessment of the products listed below:

Type of PGM to be installed	PV Inverter, Type A
Test requirement	The certification complies with the requirements of the following documents: Technical standard for monitoring the compliance of power generating modules according to EU Regulation 2016/631. Version 2.1 (2021-07-09) + correction of errors of Version 2.1 (2021-10-08)
Manufacturer	Huawei Digital Power Technologies Co., Ltd. Office 01, 39th Floor, Block A, Antuoshan Headquarters Towers, 33 Antuoshan 6th Road, Futian District , 518043 Shenzhen, PEOPLE'S REPUBLIC OF CHINA
Model and Technical Data	See page 3
Software version	V300R024

Scope of assessment and results

Clause of NTS V2.1	Requirement	Type A	Type B	Type C	Type D	Assessment	
						Type	Result
5.1	Limited frequency sensitive mode - overfrequency (LFSM-O)	Yes	--	--	--	Test	Pass

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Parameters:

Model	SUN2000-6K-LB0/ SUN5000-6K-LB0	SUN2000-5K-LB0	SUN2000-4.6K-LB0
PV terminal parameters			
Maximum PV voltage [V _{DC}]	600		
Rated voltage [V _{DC}]	360		
MPPT voltage range [V _{DC}]	40-560		
MPPT voltage range (full load) [V _{DC}]	230-530	190 - 530	180-530
Maximum input current [A _{DC}]	16/16		
Isc PV [A _{DC}]	20/20		
MPPT tracker number	2		
Maximum input power [W]	9000	7500	6900
Grid terminal output parameters			
Rated output voltage [V _{AC}]	1P+N+PE, 230		
Rated output frequency [Hz]	50		
Maximum continuous output current [A _{AC}]	30.0	25.0	23.0
Rated output active power [W]	6000	5000	4600
Maximum output active power [W]	6600	5500	5000
Maximum output apparent power [VA]	6600	5500	5000
Power factor range	0.8 inductive(under-excited) to 0.8 capacitive(over-excited)		

Model	SUN2000-4K-LB0	SUN2000-3.68K-LB0	SUN2000-3K-LB0/ SUN5000-3K-LB0
PV terminal parameters			
Maximum PV voltage [V _{DC}]	600		
Rated voltage [V _{DC}]	360		
MPPT voltage range [V _{DC}]	40-560		
MPPT voltage range (full load) [V _{DC}]	155-480	140 - 480	120-480
Maximum input current [A _{DC}]	16/16		
Isc PV [A _{DC}]	20/20		
MPPT tracker number	2		
Maximum input power [W]	6000	5520	4500
Grid terminal output parameters			
Rated output voltage [V _{AC}]	1P+N+PE, 230		
Rated output frequency [Hz]	50		
Maximum continuous output current [A _{AC}]	20.0	16.0	15.0
Rated output active power [W]	4000	3680	3000
Maximum output active power [W]	4400	3680	3300
Maximum output apparent power [VA]	4400	3680	3300
Power factor range	0.8 inductive(under-excited) to 0.8 capacitive(over-excited)		