

Certificate of Conformity

No. ESY 041829 4927 Rev. 00

Holder of Certificate: **Huawei Technologies Co., Ltd.**
Administration Building
Headquarters of Huawei Technologies Co., Ltd.
Bantian, Longgang District
518129 Shenzhen
PEOPLE'S REPUBLIC OF CHINA

Product: **Converter**
(Solar Inverter)

Model(s): **SUN2000-17KTL-M3, SUN2000-20KTL-M3,
SUN2000-23KTL-M3, SUN2000-28KTL-M3,
SUN2000-29.9KTL-M3, SUN2000-30KTL-M3,
SUN2000-36KTL-M3, SUN2000-40KTL-M3,
SUN2000-50KTL-M3**

Parameters: See page 2-3

Applicable standards: CEI 0-21:2022

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.: 64290223090701

Date, 2023-01-18



(Billy Qiu)

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Parameters:

Model:	SUN2000-17KTL-M3	SUN2000-20KTL-M3	SUN2000-23KTL-M3
PV Input Parameters			
d.c. Max. Input Voltage	1100 V d.c.	750 V d.c.	1100 V d.c.
d.c. Max. Input Current	4*26 A d.c.		
I _{sc} PV	4*40 A d.c.		
MPPT Operating Voltage Range	200 V d.c.~1000 V d.c.	200 V d.c.~750 V d.c.	200 V d.c.~1000 V d.c.
Grid Output Parameters			
a.c. Output Max. Current	28.5 A a.c.	31.9 A a.c.	35.1 A a.c.
a.c. Output Rated Power	17000 W	20000 W	23000 W
a.c. Output Max. Apparent Power	18700 VA	22000 VA	23000 VA
a.c. Output Nominal Voltage	230/400 V a.c.,3W/N+PE		
a.c. Output Nominal Operating Frequency	50 Hz		
Adjustable Power Factor Range	0.8 lagging...0.8 leading		

Model:	SUN2000-28KTL-M3	SUN2000-29.9KTL-M3	SUN2000-30KTL-M3
PV Input Parameters			
d.c. Max. Input Voltage	1100 V d.c.		
d.c. Max. Input Current	4*26 A d.c.		
I _{sc} PV	4*40 A d.c.		
MPPT Operating Voltage Range	200 V d.c.~1000 V d.c.		
Grid Output Parameters			
a.c. Output Max. Current	33.5 A a.c.	43.2 A a.c.	47.9 A a.c.
a.c. Output Rated Power	27500 W	29900 W	30000 W
a.c. Output Max. Apparent Power	27500 VA	29900 VA	33000 VA
a.c. Output Nominal Voltage	230/400 V a.c.,3W/N+PE		
a.c. Output Nominal Operating Frequency	50 Hz		
Adjustable Power Factor Range	0.8 lagging...0.8 leading		

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Model:	SUN2000-36KTL-M3	SUN2000-40KTL-M3	SUN2000-50KTL-M3
PV Input Parameters			
d.c. Max. Input Voltage	1100 V d.c.		
d.c. Max. Input Current	4*26 A d.c.	4*27 A d.c.	4*30 A d.c.
I _{sc} PV	4*40 A d.c.		
MPPT Operating Voltage Range	200 V d.c.~1000 V d.c.		
Grid Output Parameters			
a.c. Output Max. Current	58.0 A a.c.	63.8 A a.c.	79.8 A a.c.
a.c. Output Rated Power	36000 W	40000 W	50000 W
a.c. Output Max. Apparent Power	40000 VA	44000 VA	55000 VA
a.c. Output Nominal Voltage	230/400 V a.c.,3W/N+PE		
a.c. Output Nominal Operating Frequency	50 Hz		
Adjustable Power Factor Range	0.8 lagging... 0.8 leading		

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The following generators meet the requirements of CEI 0-21:2022						
Section A	Manufacturer	Huawei Technologies Co., Ltd Administration Building, Headquarters of Huawei Technologies Co., Ltd., Bantian, Longgang District, Shenzhen, Guangdong, 518129, China				
	Equipment type	Solar Inverter				
	Brand	Huawei				
	Number of phase	<input type="checkbox"/> Single phase <input checked="" type="checkbox"/> Three phase Frequency: 50Hz Voltage: 230/400 V a.c				
	Primary energy used	<input checked="" type="checkbox"/> Solar <input type="checkbox"/> Storage <input type="checkbox"/> Wind <input type="checkbox"/> Hydroelectric <input type="checkbox"/> CHP <input type="checkbox"/> Other:				
	Generator model	SUN2000-17KTL-M3	SUN2000-20KTL-M3	SUN2000-23KTL-M3	SUN2000-28KTL-M3	SUN2000-29.9KTL-M3
	Rated active power output to Grid	17000 W	20000 W	23000 W	27500 W	29900 W
	Maximum apparent power output to Grid	18700 VA	22000 VA	23000 VA	27500 VA	29900 VA
	Generator model	SUN2000-30KTL-M3	SUN2000-36KTL-M3	SUN2000-40KTL-M3	SUN2000-50KTL-M3	
	Rated active power output to Grid	30000 W	36000 W	40000 W	50000 W	
	Maximum apparent power output to Grid	33000 VA	40000 VA	44000 VA	55000 VA	
	The generator:	<input checked="" type="checkbox"/> is suitable for installation in systems with an output power of more than 11.08 kW <input checked="" type="checkbox"/> is capable of limiting Idc to 0.5% of rated current: <input checked="" type="checkbox"/> uses a DC-sensitive protection function <input type="checkbox"/> uses a transformer operating at mains frequency				

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Section C	Characteristics of converter					
	Manufacturer of inverter	Huawei Technologies Co., Ltd Administration Building, Headquarters of Huawei Technologies Co., Ltd., Bantian, Longgang District, Shenzhen, Guangdong, 518129, China				
	Firmware version	SUN2000MA V100R001C20				
	Model of inverter	SUN2000-17KTL-M3	SUN2000-20KTL-M3	SUN2000-23KTL-M3	SUN2000-28KTL-M3	SUN2000-29.9KTL-M3
	Rated power of inverter (PNINV)	17000 W	20000 W	23000 W	27500 W	29900 W
	Manufacturer of inverter	Huawei Technologies Co., Ltd Administration Building, Headquarters of Huawei Technologies Co., Ltd., Bantian, Longgang District, Shenzhen, Guangdong, 518129, China				
	Firmware version	SUN2000MA V100R001C20			SUN2000MC V200R023C00	
	Model of inverter	SUN2000-30KTL-M3	SUN2000-36KTL-M3	SUN2000-40KTL-M3	SUN2000-50KTL-M3	
	Rated power of inverter (PNINV)	30000 W	36000 W	40000 W	50000 W	

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Section I	References of the laboratories that performed the tests and their test reports (RdP)	
	Selected method	<input checked="" type="checkbox"/> Tests performed by an accredited laboratory
	Test Reports (RdP)	Test report according to Annex B: 64.290.22.30907.01
	Issued by	Testing lab: TÜV SÜD Certification and Testing (China) Co., Ltd. Guangzhou Branch
	Accreditation No.	D-PL-19065-01-01
	Accreditation body ref.	DAkKS
Section M	Reference of the certification body	
	Certification Body	TÜV SÜD Product Service GmbH
		DAKKS accreditation certificate D-ZE-11321-01-00 according to DIN EN ISO/IEC 17065:2013