



## Dichiarazione di Conformità del Generatore

I seguenti generatori rispettano le prescrizioni della norma CEI 0-16 ed.2022-03					
Sez. A	Costruttore	HUAWEI TECHNOLOGIES Co. LTD., Administration Building, Headquarters, 518129 Bantian, Longgang District, Shenzhen, China			
	Tipo apparecchiatura	Inverter per sistemi fotovoltaici			
	Marca	HUAWEI TECHNOLOGIES Co. LTD			
	Connessione lato utente	<input checked="" type="checkbox"/> Trifase con neutro Frequenza: 50 Hz		<input checked="" type="checkbox"/> Trifase senza neutro Tensione: 230 Vac / 400 Vac	
	Energia primaria utilizzata	<input checked="" type="checkbox"/> Solare (v. RdP All. N) <input type="checkbox"/> Eolico (v. RdP All. N/Nter) <input type="checkbox"/> CHP (v. RdP All. N/Nter)		<input type="checkbox"/> Accumulo (v. RdP All. Nbis) <input type="checkbox"/> Idroelettrico (v. RdP All. N/Nter) <input type="checkbox"/> Altro:	
	Modello del generatore	SUN2000-30KTL-M3	SUN2000-36KTL-M3	SUN2000-40KTL-M3	SUN2000-50KTL-M3
	Potenza nominale	30 kW	36 kW	40 kW	50 kW
	Il generatore:	<input checked="" type="checkbox"/> È idoneo per installazione in impianti con potenza inferiore o uguale a 400 kW <input checked="" type="checkbox"/> È idoneo per installazione in impianti con potenza superiore a 400 kW			
Sez. B	Caratteristiche del convertitore statico				
	Modello del convertitore statico	SUN2000-30KTL-M3	SUN2000-36KTL-M3	SUN2000-40KTL-M3	SUN2000-50KTL-M3
	Costruttore del convertitore statico	HUAWEI TECHNOLOGIES Co. LTD			
	Versione firmware	SUN2000MAV100R001 e superiore			SUN2000MCV200R023C00 e superiore
	Potenza nominale convertitore (P <sub>NINV</sub> )	30 kW	36 kW	40 kW	50 kW

Huawei Technologies Italia S.r.l.

100% owned by Huawei Technologies  
Cooperatief U.A.  
C.S. €3,000,000 i.v.  
CCIAA e P.IVA 04501190963  
POSIZIONE CONAI cc 12639454  
N. Reg. A.E.E. IT10010000006521  
N. Reg. Pile e Accumulatori  
IT12050P00002839

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PALERMO Tel: 39.0916242090



Riferimenti dei laboratori che hanno eseguito le prove e dei relativi rapporti di prova (RdP)		
Metodo prescelto	<input checked="" type="checkbox"/> Prove eseguite da laboratorio accreditato	<input type="checkbox"/> Prove eseguite sotto la sorveglianza di un ente certificatore
Rapporti di prova (RdP)	RdP secondo Allegato N: vedasi certificato No. ESY 041829 4935 Rev.00	
Emessi da	Lab. accreditato: TÜV SÜD Certification and Testing (China) Co., Ltd. Guangzhou Branch	
N. accreditamento	D-PL-19065-01-01	
Rif. Ente accreditamento	DAkKS	
Sez. I	Data, firma	
	Luogo, data	Azienda
	Nome, firma, funzione	

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# Certificate of Conformity

No. ESY 041829 4935 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, SUN2000-29.9KTL-M3,**  
**SUN2000-30KTL-M3, SUN2000-36KTL-M3,**  
**SUN2000-40KTL-M3, SUN2000-50KTL-M3**

**Parameters:** See page 2-3

**Applicable standards:** CEI 0-16:2022

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](http://www.tuvsud.com/ps-cert)

**Test report no.:** 64290223173901

**Date,** 2023-02-06



( Billy Qiu )

# Certificate of Conformity

No. ESY 041829 4935 Rev. 00

## Parameters:

Model:	SUN2000-17KTL-M3	SUN2000-20KTL-M3	SUN2000-23KTL-M3
PV Input Parameters			
d.c. Max. Input Voltage	1100 V d.c.	800 V d.c.	1100 V d.c.
d.c. Max. Input Current	4*26 A d.c.		
I <sub>sc</sub> 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 inductive...0.8 capacitive		

Model:	SUN2000-29.9KTL-M3	SUN2000-30KTL-M3	SUN2000-36KTL-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.	
I <sub>sc</sub> 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	43.2 A a.c.	47.9 A a.c.	58.0 A a.c.
a.c. Output Rated Power	29900 W	30000 W	36000 W
a.c. Output Max. Apparent Power	29900 VA	33000 VA	40000 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 inductive...0.8 capacitive		

# Certificate of Conformity

No. ESY 041829 4935 Rev. 00

Model:	SUN2000-40KTL-M3	SUN2000-50KTL-M3
PV Input Parameters		
d.c. Max. Input Voltage	1100 V d.c.	
d.c. Max. Input Current	4*27 A d.c.	4*30 A d.c.
I <sub>sc</sub> 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	63.8 A a.c.	79.8 A a.c.
a.c. Output Rated Power	40000 W	50000 W
a.c. Output Max. Apparent Power	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 inductive...0.8 capacitive	

# Certificate of Conformity

No. ESY 041829 4935 Rev. 00

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			
	User side connection	<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	SUN2000-29.9KTL-M3
	Rated active power output to Grid	17000 W	20000 W	23000 W	29900 W
	Maximum apparent power output to Grid	18700 VA	22000 VA	23000 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"/> suitable for installation in plants with a power output of less than or equal to 400 kW <input checked="" type="checkbox"/> suitable for installation in plants with a power exceeding 400 kW			

# Certificate of Conformity

No. ESY 041829 4935 Rev. 00

Section B				
Static converter characteristics				
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	SUN2000-29.9KTL-M3
Rated power of inverter (PNINV)	17000 W	20000 W	23000 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



# Certificate of Conformity

No. ESY 041829 4935 Rev. 00

Section H	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 N: 64.290.22.31739.01
	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 L	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