

## Dichiarazione di Conformità del Generatore

I seguenti generatori rispettano le prescrizioni della norma CEI 0-21 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			
	N. fasi	<input type="checkbox"/> Monofase <input checked="" type="checkbox"/> Trifase Frequenza: 50 Hz      Tensione: 230 Vac / 400 Vac			
	Energia primaria utilizzata	<input checked="" type="checkbox"/> Solare (v. RdP All. B) <input type="checkbox"/> Accumulo (v. RdP All. Bbis) <input type="checkbox"/> Eolico (v. RdP All. B/Bter) <input type="checkbox"/> Idroelettrico (v. RdP All. B/Bter) <input type="checkbox"/> CHP (v. RdP All. B/Bter) <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 superiore a 11,08 kW <input checked="" type="checkbox"/> È in grado di limitare la I <sub>dc</sub> allo 0,5% della corrente nominale: <input checked="" type="checkbox"/> utilizza una funzione di protezione sensibile alla corrente continua <input type="checkbox"/> utilizza un trasformatore operante alla frequenza di rete			
Sez. B	Caratteristiche del sistema di protezione di interfaccia				
	Costruttore	HUAWEI TECHNOLOGIES Co. LTD			
	Modello	SUN2000-30-50KTL-M3			
Tipo	<input checked="" type="checkbox"/> Integrata <input type="checkbox"/> Non integrata				
Sez. C	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	SUN2000MAV100R001C20 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. IT1001000006521  
N. Reg. Pile e Accumulatori  
IT12050P00002839

HUAWEI.ITALY@HUAWEIPEC.IT  
www.huawei.com

**Sede Legale, Amministrativa e Operativa Centrale, MILANO**

Via Lorenteggio 240, Torre A,  
20147 MILANO (MI)  
Tel.: +39.02.39994.000  
Fax: +39.02.39994.500

**Sedi Operative, MILANO**

Italy Research Center  
Centro Dir. Milano2  
Pal. Verrocchio 3zo piano  
20090 SEGRATE (MI)  
Tel.: +39.02.39994882  
Fax: +39.02.39994.500

Design Research Center  
Via Santa Margherita 14/Via Silvio  
Pellico 7, 20121 MILANO (MI)

CBG Office  
Viale della Liberazione 16/18  
20124 MILANO (MI)

**Sede Operativa, ROMA**

Via Laurentina 449  
00142 ROMA (RM)  
Tel.: +39.06.64244.000  
Fax: +39.06.64244.500

**Altre Sedi Operative**

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 B: vedasi certificato No. ESY 041829 4927 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	
<b>Sez. I</b>		
Data, firma		
<i>Luogo, data</i>	<i>Azienda</i>	
	<i>Nome, firma, funzione</i>	
<b>Sez. L</b>		

**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

HUAWEI.ITALY@HUAWEIPEC.IT  
www.huawei.com

**Sede Legale, Amministrativa  
e Operativa Centrale, MILANO**

Via Lorenteggio 240, Torre A,  
20147 MILANO (MI)  
Tel.: +39.02.39994.000  
Fax: +39.02.39994.500

**Sedi Operative, MILANO**

Italy Research Center  
Centro Dir. Milano2  
Pal. Verrocchio 3zo piano  
20090 SEGRATE (MI)  
Tel.: +39.02.39994882  
Fax: +39.02.39994.500

Design Research Center  
Via Santa Margherita 14/Via Silvio  
Pellico 7, 20121 MILANO (MI)

CBG Office  
Viale della Liberazione 16/18  
20124 MILANO (MI)

**Sede Operativa, ROMA**

Via Laurentina 449  
00142 ROMA (RM)  
Tel.: +39.06.64244.000  
Fax: +39.06.64244.500

**Altre Sedi Operative**

PALERMO Tel: 39.0916242090



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

**Test report no.:** 64290223090701

**Date,** 2023-01-18



( Billy Qiu )

# Certificate of Conformity

No. ESY 041829 4927 Rev. 00

## Parameters:

Model:	SUN2000-17KTL-M3	SUN2000-20KTL-M3	SUN2000-23KTL-M3
<b>PV Input Parameters</b>			
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 <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.
<b>Grid Output Parameters</b>			
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
<b>PV Input Parameters</b>			
d.c. Max. Input Voltage	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.		
<b>Grid Output Parameters</b>			
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		

# Certificate of Conformity

No. ESY 041829 4927 Rev. 00

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 <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	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		

# Certificate of Conformity

No. ESY 041829 4927 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				
	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				

# Certificate of Conformity

No. ESY 041829 4927 Rev. 00

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		



# Certificate of Conformity

No. ESY 041829 4927 Rev. 00

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