

## Dichiarazione Sostitutiva di Atto Notorio (art. 19 e art. 47 D.P.R. 28 dicembre 2000 n. 445)

### Oggetto: Dichiarazione di Conformità del Generatore

Il sottoscritto Ma Lin, nato in Cina il 4 Giugno 1980 e residente in Italia, in Via Giuseppe Dessì n. 40, Roma, codice fiscale MAXLNI80H04Z210D, nel ruolo di procuratore di Huawei Technologies Italia S.r.l., consapevole delle sanzioni penali nel caso di dichiarazioni non veritiere e falsità negli atti (art. 76 del Dpr n. 445/2000), sotto la propria responsabilità

### DICHIARA

che i prodotti indicati di seguito sono conformi alla norma CEI 0-21; V2:2024-01 :

I seguenti generatori rispettano le prescrizioni della norma CEI 0-21 V2 ed. 2024-01						
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 / 60 Hz Tensione: 220 Vac / 380 Vac; 230 Vac / 400 Vac				
	Energia primaria utilizzata	<input checked="" type="checkbox"/> Solare (v. RdP All. B) <input checked="" 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	SUN2000-5K-MAP0	SUN2000-6K-MAP0	SUN2000-8K-MAP0 SUN5000-8K-MAP0	SUN2000-10K-MAP0	SUN2000-12K-MAP0 SUN5000-12K-MAP0
	Potenza nominale	5 kW	6 kW	8 kW	10 kW	12 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 Idc 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				
	Modelli	SUN2000-5-12K-MAP0 SUN5000-8-12K-MAP0				
	Tipo	<input checked="" type="checkbox"/> Integrata <input type="checkbox"/> Non integrata				
Sez. C	Caratteristiche del convertitore statico					
	Modello del convertitore statico	SUN2000-5K-MAP0	SUN2000-6K-MAP0	SUN2000-8K-MAP0 SUN5000-8K-MAP0	SUN2000-10K-MAP0	SUN2000-12K-MAP0 SUN5000-12K-MAP0
	Costruttore del convertitore statico	HUAWEI TECHNOLOGIES Co. LTD				
	Versione firmware	SUN2000MAV200R024 e successive				
	Potenza nominale convertitore (P <sub>NINV</sub> )	5 kW	6 kW	8 kW	10 kW	12 kW

Huawei Technologies Italia S.r.l.

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

**Sedi Operative, MILANO**

**Sede Operativa, ROMA**

**Altre Sedi Operative**

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

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

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)

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

PALERMO Tel: 39. 0916242090

<b>Sez. E</b>	<b>Batterie utilizzabili con i convertitori statici sopra riportati</b>						
	Marca	HUAWEI TECHNOLOGIES Co. LTD					
	Tecnologia	Litio-Ferro Fosfato (LiFePO4)					
	Modelli	LUNA2000-5-S0	LUNA2000-10-S0	LUNA2000-15-S0	LUNA2000-10-S0 +	LUNA2000-15-S0 +	LUNA2000-15-S0 +
	CUS modulo	5 kWh	10 kWh	15 kWh	20 kWh	25 kWh	30 kWh
	Versione firmware BMS	FusionSolarDGV100R002 e superiore					
	N. moduli	1	2	3	4	5	6
	Note	La potenza di scarica massima effettiva dipende dalla taglia dell'inverter, vedasi allegato.					
	<b>Caratteristiche del Sistema di Accumulo (SdA)</b>						
	$P_{sn}$ (potenza di scarica nom.)	2.5 kW	5 kW	5 kW	10 kW	10 kW	10 kW
$P_{cn}$ (potenza di carica nom.)	2.5 kW	5 kW	5 kW	10 kW	10 kW	10 kW	
$P_{smax}$ (potenza di scarica max.)	2.5 kW	5 kW	5 kW	10 kW	10 kW	10 kW	
$P_{cmax}$ (potenza di carica max.)	2.5 kW	5 kW	5 kW	10 kW	10 kW	10 kW	
Tipologia	<input checked="" type="checkbox"/> Bidirezionale <input type="checkbox"/> Monodirezionale						
<b>Sez. I</b>	<b>Riferimenti dei laboratori che hanno eseguito le prove e dei relativi rapporti di prova (RdP)</b>						
	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. CN-PVES-240277 in allegato					

**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)

**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



	Emessi da	Lab. accreditato: Intertek Testing Services Shenzhen Ltd. Guangzhou Branch	
	N. accreditamento	TL-395	
	Rif. Ente accreditamento	IAS	
Sez. L	Data, firma		
	<i>Luogo, data</i>	<i>Azienda</i>	
		<i>Nome, firma, funzione</i>	

**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)

**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

## Caratteristiche Sistema di Accumulo Huawei LUNA2000-S0

Inverter	SUN2000-5K-MAP0					
Modelli	LUNA2000-5-S0	LUNA2000-10-S0	LUNA2000-15-S0	LUNA2000-10-S0 +	LUNA2000-15-S0 +	LUNA2000-15-S0 +
Potenza nominale del SdA	2.5 kW	5 kW	5 kW	LUNA2000-10-S0 +	LUNA2000-15-S0 +	LUNA2000-15-S0 +
Potenza CC complessiva	6.2 kW	6.2 kW	6.2 kW	LUNA2000-10-S0	LUNA2000-10-S0	LUNA2000-15-S0
Capacità di accumulo nominale	5 kWh	10 kWh	15 kWh	20 kWh	25 kWh	30 kWh
Capacità utile	5 kWh	10 kWh	15 kWh	20 kWh	25 kWh	30 kWh
Potenza di carica nominale	2.5 kW	5 kW	5 kW	5 kW	5 kW	5 kW
Potenza di scarica nominale	2.5 kW	5 kW	5 kW	5.5 kW	5.5 kW	5.5 kW
Potenza di carica massima	2.5 kW	5 kW	5 kW	5 kW	5 kW	5 kW
Potenza di scarica massima	2.5 kW	5 kW	5 kW	5.5 kW	5.5 kW	5.5 kW

Inverter	SUN2000-6K-MAP0					
Modelli	LUNA2000-5-S0	LUNA2000-10-S0	LUNA2000-15-S0	LUNA2000-10-S0 +	LUNA2000-15-S0 +	LUNA2000-15-S0 +
Potenza nominale del SdA	2.5 kW	5 kW	5 kW	LUNA2000-10-S0 +	LUNA2000-15-S0 +	LUNA2000-15-S0 +
Potenza CC complessiva	7.3 kW	7.3 kW	7.3 kW	LUNA2000-10-S0	LUNA2000-10-S0	LUNA2000-15-S0
Capacità di accumulo nominale	5 kWh	10 kWh	15 kWh	20 kWh	25 kWh	30 kWh
Capacità utile	5 kWh	10 kWh	15 kWh	20 kWh	25 kWh	30 kWh
Potenza di carica nominale	2.5 kW	5 kW	5 kW	6 kW	6 kW	6 kW
Potenza di scarica nominale	2.5 kW	5 kW	5 kW	6.6 kW	6.6 kW	6.6 kW
Potenza di carica massima	2.5 kW	5 kW	5 kW	6 kW	6 kW	6 kW
Potenza di scarica massima	2.5 kW	5 kW	5 kW	6.6 kW	6.6 kW	6.6 kW

Huawei Technologies Italia S.r.l.

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

**Sedi Operative, MILANO**

**Sede Operativa, ROMA**

**Altre Sedi Operative**

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

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

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)

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

PALERMO Tel: 39. 0916242090

Inverter	SUN2000-8K-MAP0 SUN5000-8K-MAP0					
Modelli	LUNA2000-5-S0	LUNA2000-10-S0	LUNA2000-15-S0	LUNA2000-10-S0 +	LUNA2000-15-S0 +	LUNA2000-15-S0 +
Potenza nominale del SdA	2.5 kW	5 kW	5 kW	LUNA2000-10-S0 +	LUNA2000-15-S0 +	LUNA2000-15-S0 +
Potenza CC complessiva	9.8 kW	9.8 kW	9.8 kW	LUNA2000-10-S0	LUNA2000-10-S0	LUNA2000-15-S0
Capacità di accumulo nominale	5 kWh	10 kWh	15 kWh	20 kWh	25 kWh	30 kWh
Capacità utile	5 kWh	10 kWh	15 kWh	20 kWh	25 kWh	30 kWh
Potenza di carica nominale	2.5 kW	5 kW	5 kW	8 kW	8 kW	8 kW
Potenza di scarica nominale	2.5 kW	5 kW	5 kW	8.8 kW	8.8 kW	8.8 kW
Potenza di carica massima	2.5 kW	5 kW	5 kW	8 kW	8 kW	8 kW
Potenza di scarica massima	2.5 kW	5 kW	5 kW	8.8 kW	8.8 kW	8.8 kW

Inverter	SUN2000-10K-MAP0					
Modelli	LUNA2000-5-S0	LUNA2000-10-S0	LUNA2000-15-S0	LUNA2000-10-S0 +	LUNA2000-15-S0 +	LUNA2000-15-S0 +
Potenza nominale del SdA	2.5 kW	5 kW	5 kW	LUNA2000-10-S0 +	LUNA2000-15-S0 +	LUNA2000-15-S0 +
Potenza CC complessiva	12.2 kW	12.2 kW	12.2 kW	LUNA2000-10-S0	LUNA2000-10-S0	LUNA2000-15-S0
Capacità di accumulo nominale	5 kWh	10 kWh	15 kWh	20 kWh	25 kWh	30 kWh
Capacità utile	5 kWh	10 kWh	15 kWh	20 kWh	25 kWh	30 kWh
Potenza di carica nominale	2.5 kW	5 kW	5 kW	10 kW	10 kW	10 kW
Potenza di scarica nominale	2.5 kW	5 kW	5 kW	10 kW	10 kW	10 kW
Potenza di carica massima	2.5 kW	5 kW	5 kW	10 kW	10 kW	10 kW
Potenza di scarica massima	2.5 kW	5 kW	5 kW	10 kW	10 kW	10 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

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)

**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



Inverter	SUN2000-12K-MAP0 SUN5000-12K-MAP0					
Modelli	LUNA2000-5-S0	LUNA2000-10-S0	LUNA2000-15-S0	LUNA2000-10-S0 +	LUNA2000-15-S0 +	LUNA2000-15-S0 +
				LUNA2000-10-S0	LUNA2000-10-S0	LUNA2000-15-S0
Potenza nominale del SdA	2.5 kW	5 kW	5 kW	10 kW	10 kW	10 kW
Potenza CC complessiva	14.5 kW	14.5 kW	14.5 kW	14.5 kW	14.5 kW	14.5 kW
Capacità di accumulo nominale	5 kWh	10 kWh	15 kWh	20 kWh	25 kWh	30 kWh
Capacità utile	5 kWh	10 kWh	15 kWh	20 kWh	25 kWh	30 kWh
Potenza di carica nominale	2.5 kW	5 kW	5 kW	10 kW	10 kW	10 kW
Potenza di scarica nominale	2.5 kW	5 kW	5 kW	10 kW	10 kW	10 kW
Potenza di carica massima	2.5 kW	5 kW	5 kW	10 kW	10 kW	10 kW
Potenza di scarica massima	2.5 kW	5 kW	5 kW	10 kW	10 kW	10 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

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)

**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

Certificate Number: CN-PVES-240277

On the basis of the tests undertaken, the sample<s> of the below product have been found to comply with the requirements of the referenced specification<s>/standard<s> at the time the tests were carried out. It does not imply that Intertek has performed any surveillance or control of the manufacture(s). The manufacturer(s) shall ensure that the manufacturing process assures compliance of the production units with the examined products mentioned in this certificate.

<b>Applicant:</b>	Huawei Digital Power Technologies Co., Ltd. Office 01, 39th Floor, Block A, Antuoshan Headquarters Towers, 33 Antuoshan 6th Road, Futian District, Shenzhen, 518043, P.R.C.
<b>Product:</b>	Hybrid Solar Storage System, Three-phase Whole Home Backup
<b>Ratings &amp; Principle Characteristics:</b>	See appendix of Certificate of Conformity
<b>Model:</b>	See appendix of Certificate of Conformity
<b>Brand Name&lt;s&gt;:</b>	 HUAWEI
<b>Product Complies with:</b>	CEI 0-21: 2022-03 + V1:2022-11 + V2:2024-01: Reference technical rules for the connection of active and passive users to the LV electrical Utilities
<b>Certificate Issuing Office Name &amp; Address:</b>	Intertek Testing Services Ltd. Shanghai West Area, 2 <sup>nd</sup> Floor, No. 707, Zhangyang Road China (Shanghai) Pilot Free Trade Zone, Shanghai, P. R. China Accredited by ACCREDIA in accordance with ISO/IEC 17065:2012
<b>Test Report No.&lt;s&gt;:</b>	240318139GZU-001, dated 13 Jun 2024 Issued by Intertek Testing Services Shenzhen Ltd. Guangzhou Branch accredited by IAS (TL-395) in accordance with ISO/IEC 17025:2017

Additional information in Appendix.



**Signature**

**Certification Manager: Grady Ye**  
**Date: 19 June 2024**



PRD N° 306B

This Certificate is for the exclusive use of Intertek's client and is provided pursuant to the agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this Certificate. Only the Client is authorized to permit copying or distribution of this Certificate. Any use of the Intertek name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek.

## APPENDIX: Certificate of Conformity

This is an Appendix to Certificate of Conformity Number: CN-PVES-240277.

Test item description .....	Hybrid Solar Storage System, Three-phase Whole Home Backup
Trade Mark .....	 HUAWEI
Manufacturer .....	Same as applicant
Model/Type reference .....	Inverter conversion device: SUN2000-5K-MAP0, SUN2000-6K-MAP0, SUN2000-8K-MAP0, SUN2000-10K-MAP0, SUN2000-12K-MAP0, SUN5000-8K-MAP0, SUN5000-12K-MAP0 Three-phase Whole Home Backup: SmartGuard-63A-T0 Brands:  HUAWEI Batteries and BMS - Battery Management System Energy Storage module: LUNA2000-5KW-C0, LUNA2000-10KW-C1 Battery pack: LUNA2000-5-E0, LUNA2000-7-E1 High voltage control model: the inverter will work as controller Brands:  HUAWEI
Inverter Firmware Version .....	V200R024
Number of phases .....	three-phase
Nominal Power .....	5000W (SUN2000-5K-MAP0), 6000W (SUN2000-6K-MAP0), 8000W (SUN2000-8K-MAP0, SUN5000-8K-MAP0), 10000W (SUN2000- 10K-MAP0), 12000W (SUN2000-12K-MAP0, SUN5000-12K-MAP0)
Type .....	Bidirectional
CUS (useful capacity of the storage system) .....	5kWh~15kWh (LUNA2000-5KW-C0*1) 10kWh~30kWh (LUNA2000-5KW-C0*2) 6.9kWh~20.7kWh (LUNA2000-10KW-C1*1) 13.8kWh~41.4kWh (LUNA2000-10KW-C1*2)
Psn (nominal discharge power) .....	See following table for details
Pcn (nominal charge power) .....	See following table for details
Psmax (maximum discharge power) :	See following table for details
Pcmx (maximum charge power) .....	See following table for details
BMS Firmware Version for system ...:	V100R002 (for Battery pack LUNA2000-5-E0) V200R023 (for Battery pack LUNA2000-7-E1)

This Certificate is for the exclusive use of Intertek's client and is provided pursuant to the agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this Certificate. Only the Client is authorized to permit copying or distribution of this Certificate. Any use of the Intertek name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek.

## APPENDIX: Certificate of Conformity

This is an Appendix to Certificate of Conformity Number: CN-PVES-240277.

Energy Storage module	SUN2000-5K-MAPO	SUN2000-6K-MAPO	SUN2000-8K-MAPO SUN5000-8K-MAPO	SUN2000-10K-MAPO	SUN2000-12K-MAPO SUN5000-12K-MAPO
	Pcmax/Psmax(W)				
LUNA2000-5KW-C0*1 (LUNA2000-5-E0*1)	2500/2500	2500/2500	2500/2500	2500/2500	2500/2500
LUNA2000-5KW-C0*1 (LUNA2000-5-E0*2)	5000/5000	5000/5000	5000/5000	5000/5000	5000/5000
LUNA2000-5KW-C0*1 (LUNA2000-5-E0*3)	5000/5000	5000/5000	5000/5000	5000/5000	5000/5000
LUNA2000-5KW-C0*2 (LUNA2000-5-E0*2)	5000/5000	5000/5000	5000/5000	5000/5000	5000/5000
LUNA2000-5KW-C0*2 (LUNA2000-5-E0*3)	5000/5500	6000/6600	7500/7500	7500/7500	7500/7500
LUNA2000-5KW-C0*2 (LUNA2000-5-E0*4)	5000/5500	6000/6600	8000/8800	10000/10000	10000/10000
LUNA2000-5KW-C0*2 (LUNA2000-5-E0*5)	5000/5500	6000/6600	8000/8800	10000/10000	10000/10000
LUNA2000-5KW-C0*2 (LUNA2000-5-E0*6)	5000/5500	6000/6600	8000/8800	10000/10000	10000/10000
LUNA2000-10KW-C1*1 (LUNA2000-7-E1*1)	3500/3500	3500/3500	3500/3500	3500/3500	3500/3500
LUNA2000-10KW-C1*1 (LUNA2000-7-E1*2)	5000/5500	6000/6600	7000/7000	7000/7000	7000/7000
LUNA2000-10KW-C1*1 (LUNA2000-7-E1*3)	5000/5500	6000/6600	8000/8800	10000/10500	10500/10500
LUNA2000-10KW-C1*2 (LUNA2000-7-E1*2)	5000/5500	6000/6600	7000/7000	7000/7000	7000/7000
LUNA2000-10KW-C1*2 (LUNA2000-7-E1*3)	5000/5500	6000/6600	8000/8800	10000/10500	10500/10500
LUNA2000-10KW-C1*2 (LUNA2000-7-E1*4)	5000/5500	6000/6600	8000/8800	10000/11000	12000/12000
LUNA2000-10KW-C1*2 (LUNA2000-7-E1*5)	5000/5500	6000/6600	8000/8800	10000/11000	12000/12000
LUNA2000-10KW-C1*2 (LUNA2000-7-E1*6)	5000/5500	6000/6600	8000/8800	10000/11000	12000/12000
Remark: Psn= Psmax, Pcn= Pcmx					

This Certificate is for the exclusive use of Intertek's client and is provided pursuant to the agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this Certificate. Only the Client is authorized to permit copying or distribution of this Certificate. Any use of the Intertek name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek.

## APPENDIX: Certificate of Conformity

This is an Appendix to Certificate of Conformity Number: CN-PVES-240277.

Battery			CUS (useful capacity of the storage system)			
Energy Storage module	Battery pack* Number recommended by the manufacturer	Manufacturer	Capacity of per battery pack (kWh)	Capacity of Energy Storage module (kWh)	Number of Energy Storage module recommended by the manufacturer	Capacity range of Energy Storage module (kWh)
LUNA2000-5KW-C0	LUNA2000-5-E0*1	Huawei Technologies Co., Ltd.	5	5	1-2	5-30
	LUNA2000-5-E0*2			10		
	LUNA2000-5-E0*3			15		
LUNA2000-10KW-C1	LUNA2000-7-E1*1	Huawei Digital Power Technologies Co., Ltd.	6.9	6.9	1-2	6.9-41.4
	LUNA2000-7-E1*2			13.8		
	LUNA2000-7-E1*3			20.7		

Note: Batteries are not integrated within the inverter and shall be installed according to local regulation.

This Certificate is for the exclusive use of Intertek's client and is provided pursuant to the agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this Certificate. Only the Client is authorized to permit copying or distribution of this Certificate. Any use of the Intertek name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek.

## APPENDIX: Certificate of Conformity

This is an Appendix to Certificate of Conformity Number: CN-PVES-240277.

Model	SUN2000-5K-MAPO	SUN2000-6K-MAPO
Max. Input voltage	1100Vdc	
MPPT voltage range	160 – 1000Vdc	
Max. input current	16Adc*2	
Max. Isc	22Adc*2	
Rated output power	5KW	6KW
Max. Output Apparent power	5.5KVA	6.6KVA
Nominal output voltage	3/N/PE 230Vac	
Max. input/output current	7.6/8.3Aac	9.1/10Aac
Battery voltage rang	600-980Vdc	
Max. charge/discharge current	20Adc	
Nominal output frequency	50Hz	
Power factor range	0.8(Leading) ~ 0.8(Lagging)	
Ingress protection	IP66	
Operation ambient temperature	-25°C - +60°C	
Software version	V200R024	

This Certificate is for the exclusive use of Intertek's client and is provided pursuant to the agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this Certificate. Only the Client is authorized to permit copying or distribution of this Certificate. Any use of the Intertek name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek.

## APPENDIX: Certificate of Conformity

This is an Appendix to Certificate of Conformity Number: CN-PVES-240277.

Model	SUN2000-8K-MAP0 SUN5000-8K-MAP0	SUN2000-10K-MAP0	SUN2000-12K-MAP0 SUN5000-12K-MAP0
Max. Input voltage	1100Vdc		
MPPT voltage range	160 – 1000Vdc		
Max. input current	16Adc*2		
Max. Isc	22Adc*2		
Rated output power	8KW	10KW	12KW
Max. Output Apparent power	8.8KVA	11KVA	13.2KVA
Nominal output voltage	3/N/PE 230Vac		
Max. input/output current	12.1/13.3Aac	15.2/16.7Aac	18.2/20.2Aac
Battery voltage rang	600-980Vdc		
Max. charge/discharge current	20Adc		
Nominal output frequency	50Hz		
Power factor range	0.8(Leading) ~ 0.8(Lagging)		
Ingress protection	IP66		
Operation ambient temperature	-25°C - +60°C		
Software version	V200R024		

This Certificate is for the exclusive use of Intertek's client and is provided pursuant to the agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this Certificate. Only the Client is authorized to permit copying or distribution of this Certificate. Any use of the Intertek name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek.

## APPENDIX: Certificate of Conformity

This is an Appendix to Certificate of Conformity Number: CN-PVES-240277.

Model	SmartGuard-63A-T0
Nominal Voltage	3/N/PE 220/230/240Vac
Inverter side Max Current	60Aac
Backup Max Load Current	63Aac
Non-backup Max Load Current	63Aac
Grid/ATS-side Max Current	63Aac
Rated Current	63A
Nominal Operating frequency	50/60Hz
Operation ambient temperature	-25°C - +50°C
Ingress protection	IP55

This Certificate is for the exclusive use of Intertek's client and is provided pursuant to the agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this Certificate. Only the Client is authorized to permit copying or distribution of this Certificate. Any use of the Intertek name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek.

## APPENDIX: Certificate of Conformity

This is an Appendix to Certificate of Conformity Number: CN-PVES-240277.

TYPE OF APPARATUS: Hybrid Solar Storage System, Three-phase Whole Home Backup			
Number of phases: Single-phase			
DISCONNECTION DEVICE	INTERFACE PROTECTION DEVICE	DEVICE FOR CONVERSION	ROTATING GENERATOR DEVICE
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
<p>Static converters in systems with capacity up to 11.08 kW (For models: SUN2000-5K-MAP0, SUN2000-6K-MAP0, SUN2000-8K-MAP0, SUN5000-8K-MAP0, SUN2000-10K-MAP0)</p> <p>Static converters in systems with capacity more than 11.08 kW (For models: SUN2000-12K-MAP0, SUN5000-12K-MAP0)</p> <p>The devices are capable to limit Idc to 0.5% of the rated grid current</p> <p>Having examined the ISO 9001 certificate of the manufacturer No: 17 201 1933213 issued by: TUV Rheinland (China) Ltd.</p>			

This Certificate is for the exclusive use of Intertek's client and is provided pursuant to the agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this Certificate. Only the Client is authorized to permit copying or distribution of this Certificate. Any use of the Intertek name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek.

