

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 :

Sez. A	I seguenti generatori rispettano le prescrizioni della norma CEI 0-21 V2 ed. 2024-01					
	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	☐ Monofase ☒ Trifase Frequenza: 50 Hz / 60 Hz Tensione: 220 Vac / 380 Vac; 230 Vac / 400 Vac				
	Energia primaria utilizzata	☒ Solare (v. RdP All. B) ☒ Accumulo (v. RdP All. Bbis) ☐ Eolico (v. RdP All. B/Bter) ☐ Idroelettrico (v. RdP All. B/Bter) ☐ CHP (v. RdP All. B/Bter) ☐ 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:	☒ È idoneo per installazione in impianti con potenza superiore a 11,08 kW ☒ È in grado di limitare la Idc allo 0,5% della corrente nominale: ☒ utilizza una funzione di protezione sensibile alla corrente continua ☐ 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	☒ Integrata ☐ 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 _{NINV})	5 kW	6 kW	8 kW	10 kW	12 kW

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PALERMO Tel: 39. 0916242090

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Sez. E	Batterie utilizzabili con i convertitori statici sopra riportati						
	Marca	HUAWEI TECHNOLOGIES Co. LTD					
	Tecnologia	Litio-Ferro Fosfato (LiFePO4)					
	Modelli	LUNA2000-7-S1	LUNA2000-14-S1	LUNA2000-21-S1	LUNA2000-14-S1 +	LUNA2000-21-S1 +	LUNA2000-21-S1 +
				LUNA2000-14-S1	LUNA2000-14-S1	LUNA2000-21-S1	
	CUS modulo	6.9 kWh	13.8 kWh	20.7 kWh	27.6 kWh	34.5 kWh	41.4 kWh
	Versione firmware BMS	FusionSolarDGV200R023 e superiore					
	N. moduli	1	2	3	4	5	6
	Note	La potenza di scarica massima effettiva dipende dalla taglia dell'inverter, vedasi allegato.					
	Caratteristiche del Sistema di Accumulo (SdA)						
	P _{sn} (potenza di scarica nom.)	3.5 kW	7 kW	10.5 kW	14 kW	17.5 kW	21 kW
	P _{cn} (potenza di carica nom.)	3.5 kW	7 kW	10.5 kW	14 kW	17.5 kW	21 kW
	P _{smax} (potenza di scarica max.)	3.5 kW	7 kW	10.5 kW	14 kW	17.5 kW	21 kW
	P _{cmx} (potenza di carica max.)	3.5 kW	7 kW	10.5 kW	14 kW	17.5 kW	21 kW
	Tipologia	☒ Bidirezionale ☐ Monodirezionale					
Sez. I	Riferimenti dei laboratori che hanno eseguito le prove e dei relativi rapporti di prova (RdP)						
	Metodo prescelto	☒ Prove eseguite da laboratorio accreditato				☐ 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					

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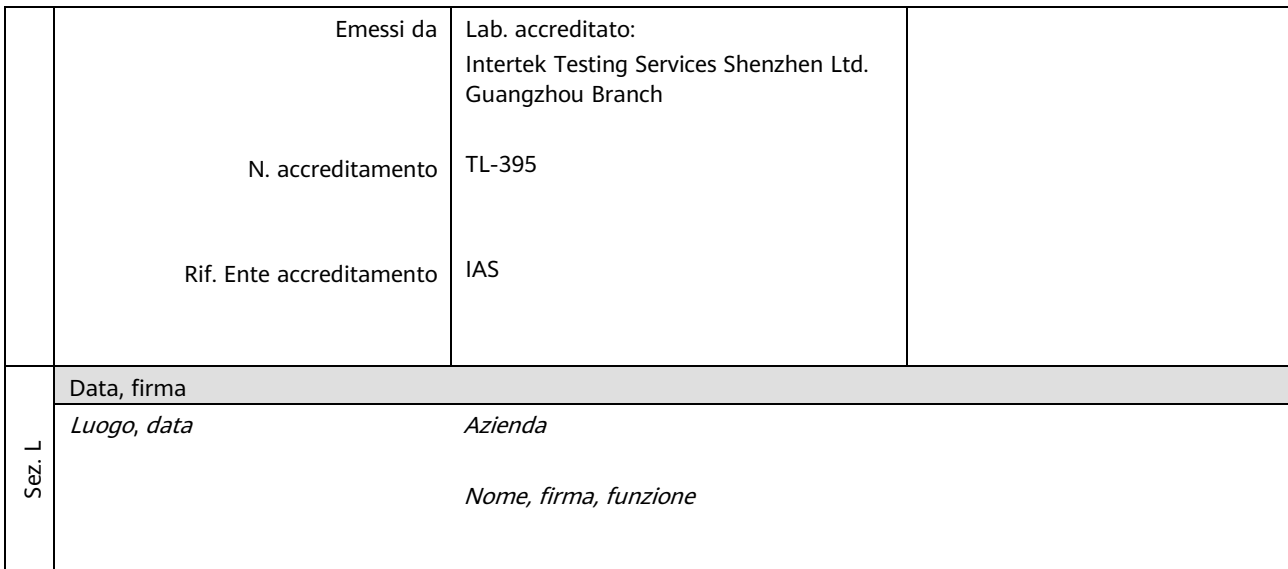
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Caratteristiche Sistema di Accumulo Huawei LUNA2000-S1

Inverter	SUN2000-5K-MAP0					
Modelli	LUNA2000-7-S1	LUNA2000-14-S1	LUNA2000-21-S1	LUNA2000-14-S1 + LUNA2000-14-S1	LUNA2000-21-S1 + LUNA2000-14-S1	LUNA2000-21-S1 + LUNA2000-21-S1
Potenza nominale del SdA	3.5 kW	7 kW	10.5 kW	14 kW	17.5 kW	21 kW
Potenza CC complessiva	6.2 kW	6.2 kW	6.2 kW	6.2 kW	6.2 kW	6.2 kW
Capacità di accumulo nominale	6.9 kWh	13.8 kWh	20.7 kWh	27.6 kWh	34.5 kWh	41.4 kWh
Capacità utile	6.9 kWh	13.8 kWh	20.7 kWh	27.6 kWh	34.5 kWh	41.4 kWh
Potenza di carica nominale	3.5 kW	5 kW	5 kW	5 kW	5 kW	5 kW
Potenza di scarica nominale	3.5 kW	5.5 kW	5.5 kW	5.5 kW	5.5 kW	5.5 kW
Potenza di carica massima	3.5 kW	5 kW	5 kW	5 kW	5 kW	5 kW
Potenza di scarica massima	3.3 kW	5.5 kW	5.5 kW	5.5 kW	5.5 kW	5.5 kW

Inverter	SUN2000-6K-MAP0					
Modelli	LUNA2000-7-S1	LUNA2000-14-S1	LUNA2000-21-S1	LUNA2000-14-S1 + LUNA2000-14-S1	LUNA2000-21-S1 + LUNA2000-14-S1	LUNA2000-21-S1 + LUNA2000-21-S1
Potenza nominale del SdA	3.5 kW	7 kW	10.5 kW	14 kW	17.5 kW	21 kW
Potenza CC complessiva	7.3 kW	7.3 kW	7.3 kW	7.3 kW	7.3 kW	7.3 kW
Capacità di accumulo nominale	6.9 kWh	13.8 kWh	20.7 kWh	27.6 kWh	34.5 kWh	41.4 kWh
Capacità utile	6.9 kWh	13.8 kWh	20.7 kWh	27.6 kWh	34.5 kWh	41.4 kWh
Potenza di carica nominale	3.5 kW	6 kW	6 kW	6 kW	6 kW	6 kW
Potenza di scarica nominale	3.5 kW	6.6 kW	6.6 kW	6.6 kW	6.6 kW	6.6 kW
Potenza di carica massima	3.5 kW	6 kW	6 kW	6 kW	6 kW	6 kW
Potenza di scarica massima	3.5 kW	6.6 kW	6.6 kW	6.6 kW	6.6 kW	6.6 kW

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Inverter	SUN2000-8K-MAP0 SUN5000-8K-MAP0					
Modelli	LUNA2000-7-S1	LUNA2000-14-S1	LUNA2000-21-S1	LUNA2000-14-S1 + LUNA2000-14-S1	LUNA2000-21-S1 + LUNA2000-14-S1	LUNA2000-21-S1 + LUNA2000-21-S1
Potenza nominale del SdA	3.5 kW	7 kW	10.5 kW	14 kW	17.5 kW	21 kW
Potenza CC complessiva	9.8 kW	9.8 kW	9.8 kW	9.8 kW	9.8 kW	9.8 kW
Capacità di accumulo nominale	6.9 kWh	13.8 kWh	20.7 kWh	27.6 kWh	34.5 kWh	41.4 kWh
Capacità utile	6.9 kWh	13.8 kWh	20.7 kWh	27.6 kWh	34.5 kWh	41.4 kWh
Potenza di carica nominale	3.5 kW	7 kW	8 kW	8 kW	8 kW	8 kW
Potenza di scarica nominale	3.5 kW	7 kW	8.8 kW	8.8 kW	8.8 kW	8.8 kW
Potenza di carica massima	3.5 kW	7 kW	8 kW	8 kW	8 kW	8 kW
Potenza di scarica massima	3.5 kW	5.5 kW	8.8 kW	8.8 kW	8.8 kW	8.8 kW

Inverter	SUN2000-10K-MAP0					
Modelli	LUNA2000-7-S1	LUNA2000-14-S1	LUNA2000-21-S1	LUNA2000-14-S1 + LUNA2000-14-S1	LUNA2000-21-S1 + LUNA2000-14-S1	LUNA2000-21-S1 + LUNA2000-21-S1
Potenza nominale del SdA	3.5 kW	7 kW	10.5 kW	14 kW	17.5 kW	21 kW
Potenza CC complessiva	12.2 kW	12.2 kW	12.2 kW	12.2 kW	12.2 kW	12.2 kW
Capacità di accumulo nominale	6.9 kWh	13.8 kWh	20.7 kWh	27.6 kWh	34.5 kWh	41.4 kWh
Capacità utile	6.9 kWh	13.8 kWh	20.7 kWh	27.6 kWh	34.5 kWh	41.4 kWh
Potenza di carica nominale	3.5 kW	7 kW	10 kW	10 kW	10 kW	10 kW
Potenza di scarica nominale	3.5 kW	7 kW	10.5 kW	10.5 kW	10.5 kW	10.5 kW
Potenza di carica massima	3.5 kW	7 kW	10 kW	10 kW	10 kW	10 kW
Potenza di scarica massima	3.5 kW	7 kW	10.5 kW	10.5 kW	10.5 kW	10.5 kW

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Inverter	SUN2000-12K-MAP0 SUN5000-12K-MAP0					
Modelli	LUNA2000-7-S1	LUNA2000-14-S1	LUNA2000-21-S1	LUNA2000-14-S1 + LUNA2000-14-S1	LUNA2000-21-S1 + LUNA2000-14-S1	LUNA2000-21-S1 + LUNA2000-21-S1
Potenza nominale del SdA	3.5 kW	7 kW	10.5 kW	14 kW	17.5 kW	21 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	6.9 kWh	13.8 kWh	20.7 kWh	27.6 kWh	34.5 kWh	41.4 kWh
Capacità utile	6.9 kWh	13.8 kWh	20.7 kWh	27.6 kWh	34.5 kWh	41.4 kWh
Potenza di carica nominale	3.5 kW	7 kW	10.5 kW	12 kW	12 kW	12 kW
Potenza di scarica nominale	3.5 kW	7 kW	10.5 kW	12 kW	12 kW	12 kW
Potenza di carica massima	3.5 kW	7 kW	10.5 kW	12 kW	12 kW	12 kW
Potenza di scarica massima	3.5 kW	7 kW	10.5 kW	12 kW	12 kW	12 kW

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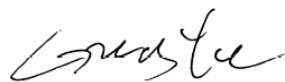
Certificate of Conformity

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.

Applicant:	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.
Product:	Hybrid Solar Storage System, Three-phase Whole Home Backup
Ratings & Principle Characteristics:	See appendix of Certificate of Conformity
Model:	See appendix of Certificate of Conformity
Brand Name<s>:	 HUAWEI
Product Complies with:	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
Certificate Issuing Office Name & Address:	Intertek Testing Services Ltd. Shanghai West Area, 2 nd 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
Test Report No.<s>:	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

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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
Psmx (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)

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APPENDIX: Certificate of Conformity

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Energy Storage module	SUN2000-5K-MAP0	SUN2000-6K-MAP0	SUN2000-8K-MAP0 SUN5000-8K-MAP0	SUN2000-10K-MAP0	SUN2000-12K-MAP0 SUN5000-12K-MAP0
	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= Pcmax					

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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		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.						

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APPENDIX: Certificate of Conformity

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

Model	SUN2000-5K-MAP0	SUN2000-6K-MAP0
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	

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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		

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APPENDIX: Certificate of Conformity

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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

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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
☒	☒	☒	
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) Static converters in systems with capacity more than 11.08 kW (For models: SUN2000-12K-MAP0, SUN5000-12K-MAP0) The devices are capable to limit Idc to 0.5% of the rated grid current Having examined the ISO 9001 certificate of the manufacturer No: 17 201 1933213 issued by: TUV Rheinland (China) Ltd.			

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The Ministry of Foreign Affairs of the People's Republic of China requests all civil and military authorities of foreign countries to allow the bearer of this passport to pass freely and afford assistance in case of need.

护 照
PASSPORT

PEOPLE'S REPUBLIC OF CHINA

类型/Type

国家码/Country Code

护照号码/Passport No.

P

CHN

姓名/Name

EJ7022355

马琳
MA, LIN

性別 / Sex 國籍 / Nationality

出生日期 Date of birth

男/M

中国/CHINESE

04 JUN 1980

出生地点/Place of birth

發售日期 / Date of issue

北京/BEIJING

07 1月/JAN 2023

签发地点/Place of issue

有效期至 Date of expiry

北京/BEIJING

06 1月/JAN 2033

签发机关 / Authority

持照人簽名/ Bearer's signature

中华人民共和国国家移民管理局
National Immigration Administration, PRC

马琳

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