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 Tensione: 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	PCS2000-108K-MB1 con LUNA2000-54-2E1 Energy Storage Module
	Potenza nominale	108 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
	Modello	PCS2000-108K-MB1
	Tipo	☑ Integrata ☐ Non integrata
Sez. C	Caratteristiche del convertitore statico	
	Modello del convertitore statico	PCS2000-108K-MB1
	Costruttore del convertitore statico	HUAWEI TECHNOLOGIES Co. LTD
	Versione firmware	V300R024 e successivi
	Potenza nominale convertitore (P_{NINV})	108 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

Sez. E	Batterie utilizzabili con i convertitori statici sopra riportati		
	Marca	HUAWEI TECHNOLOGIES Co. LTD	
	Tecnologia	Litio-Ferro Fosfato (LiFePO4)	
	Modelli	LUNA2000-215-2S10 LUNA2000-215-2S12	
	CUS modulo	214.8 kWh (53.7 kWh per modulo)	
	Versione firmware BMS	V300R024 e successivi	
	N. moduli	4	
	Note	Modulo batteria LUNA2000-54-2E1	
	Caratteristiche del Sistema di Accumulo (SdA)		
	P_{sn} (potenza di scarica nom.)	108 kW	
	P_{cn} (potenza di carica nom.)	108 kW	
	P_{smax} (potenza di scarica max.)	108 kW	
	P_{cmax} (potenza di carica max.)	108 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-250062	
	Emessi da N. accreditamento Rif. Ente accreditamento	Lab. accreditato: Intertek Testing Services Shenzhen Ltd. Guangzhou Branch TL-395 IAS	
Sez. L	Data, firma		
	Luogo, data	*Azienda* *Nome, firma, funzione*	Lin Ma Huawei Technologies Italia S.r.l. Procuratore 30.01.2025 16:11:51 GMT+02:00

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Altre Sedi Operative

PALERMO Tel: 39. 0916242090

Certificate of Conformity

Certificate Number: CN-PVES-250062

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. China.
Product:	Smart String ESS
Ratings & Principle Characteristics:	See appendix of Certificate of Conformity
Model:	LUNA2000-215-2S10, LUNA2000-215-2S12
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, 2nd 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>:	241021215GZU-001, dated 23 Jan. 2025 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: 24 January 2025

ACCREDIA
L'ENTE ITALIANO DI ACCREDITAMENTO

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-250062.

Test item description ..... :	Smart String ESS
Trade Mark.....:	HUAWEI
Manufacturer .....:	Same as Applicant
Model/Type reference .....:	Energy storage system: LUNA2000-215-2S10, LUNA2000-215-2S12, Inverter conversion device: PCS2000-108K-MB1 Brands: HUAWEI Batteries and BMS – Battery Management System: Battery pack: LUNA2000-54-2E1, LUNA2000-54-1E1 Control model: High voltage control model: the inverter will work as controller Brands: HUAWEI
Inverter Firmware Version .....:	LUNA2000B V200R024C00
Number of phases .....:	Three-phase
Nominal Power.....:	108000W
Type.....:	Bidirectional
CUS (useful capacity of the storage system) .....:	215 kWh (LUNA2000-215-2S10, LUNA2000-215-2S12) See following table for details
Psn (nominal discharge power) .....:	See following table for details
Pcn (nominal charge power) .....:	See following table for details
Psmax (maximum discharge power) : Pcmax (maximum charge power) ....:	See following table for details
BMS Firmware Version for system ..:	DPCP-BMS V300R024
BMS software Version.....:	V300R024

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APPENDIX: Certificate of Conformity

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Energy Storage System	Pcmax/Psmax(W)
LUNA2000-215-2S10	108000/108000
LUNA2000-215-2S12	108000/108000
Remark: Psn= Psmax, Pcn= Pcmax	

Energy Storage System	Battery		CUS (useful capacity of the storage system)	
	Battery pack* Number recommended by the manufacturer	Manufacturer	Capacity of per battery pack (kWh)	Capacity of Energy Storage System (kWh)
LUNA2000-215-2S10	LUNA2000-54-2E1*4	Huawei Digital Power Technologies Co., Ltd	53.7	215
LUNA2000-215-2S12	LUNA2000-54-2E1*4	Huawei Digital Power Technologies Co., Ltd.	53.7	215
Note: Batteries and the inverter are integrated within the ESS 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-250062.

System Model	LUNA2000-215-2S10	LUNA2000-215-2S12
Nominal Energy Capacity	215.0kWh	
Rated Power	108000W	
Max output current	212.7 A	
Nominal output voltage	230/400Va.c.	
Rated output current	155.9A 400Va.c. 3(N)~	
Nominal Operating Frequency	50/60 Hz	
Power factor range	1lagging-1leading	
Battery Type	LFP	
Enclosure	IP55	
Protection Class	I	
Operating Temperature Range	-30~+55℃	

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APPENDIX: Certificate of Conformity

This is an Appendix to Certificate of Conformity Number: CN-PVES-250062.

TYPE OF APPARATUS: Smart String ESS			
Number of phases: Three-phase			
DISCONNECTION DEVICE	INTERFACE PROTECTION DEVICE	DEVICE FOR CONVERSION	ROTATING GENERATOR DEVICE
		☒	
Static converters in systems with capacity more than 11.08 kW 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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中华人民共和国外交部请各国军政机关对持照人予以通行的便利和必要的协助。

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.

中华人民共和国
护 照
PASSPORT

PEOPLE'S REPUBLIC OF CHINA



类型/Type	P
国家码/Country Code	CHN
护照号码/Passport No.	EJ7022355
姓名/Name	马 琳 MA, LIN
性别/Sex	男/M
国籍/Nationality	中国/CHINESE
出生日期/Date of birth	04 JUN 1980
出生地点/Place of birth	北京/BEIJING
签发日期/Date of issue	07 1月/JAN 2023
签发地点/Place of issue	北京/BEIJING
有效期至/Date of expiry	06 1月/JAN 2033
签发机关/Authority	中华人民共和国国家移民管理局 National Immigration Administration,PRC
持照人签名/Bearer's signature	马琳



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