


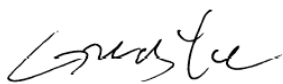
Certificate of Conformity

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, 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>:	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






PRD N° 306B

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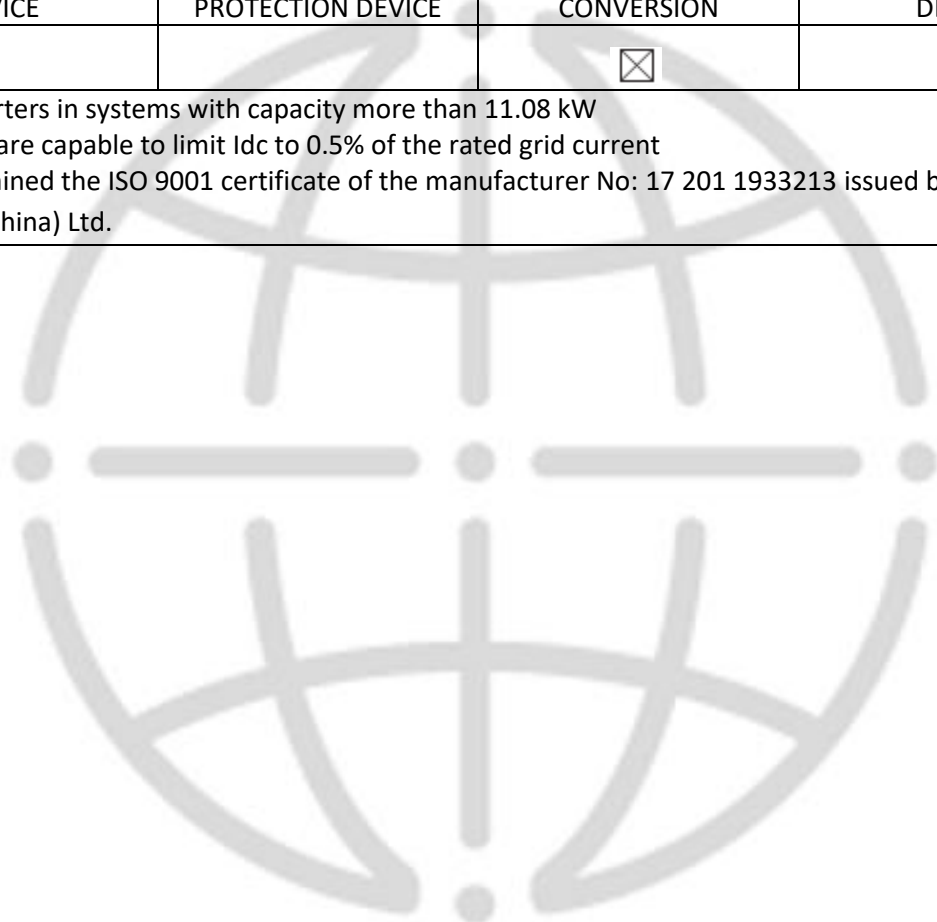
System Model	LUNA2000-215-2S10	LUNA2000-215-2S12
Nominal Energy Capacity	215.0kWh	
Rated Power	108000W	
Max output current	212.7 A	
Nominal output voltage	230/400Va.c.	
Rated output current	155.9A 400Va.c. 3(N)~	
Nominal Operating Frequency	50/60 Hz	
Power factor range	1lagging-1leading	
Battery Type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

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TYPE OF APPARATUS: Smart String ESS			
Number of phases: Three-phase			
DISCONNECTION DEVICE	INTERFACE PROTECTION DEVICE	DEVICE FOR CONVERSION	ROTATING GENERATOR DEVICE
		<input checked="" type="checkbox"/>	
<p>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.</p>			



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