

# EU-Type Examination Certificate

No. E6A 114387 0069 Rev. 01

**Holder of Certificate:** **Huawei Digital Power Technologies Co., Ltd.**  
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PEOPLE'S REPUBLIC OF CHINA

**Product:** **Energy Storage System  
(Smart String ESS)**

This EU-Type Examination Certificate is issued according to the Directive 2014/30/EU relating to electromagnetic compatibility. It confirms that the listed apparatus complies with such aspects of the requirements of the EMC directive as specified by the manufacturer or his authorized representative in the European Community and applies only to the sample and/or its technical documentation submitted for testing and certification. This Type Examination does not contain any statements pertaining to the EMC protection requirements governed by other laws which serve to implement EU Directives other than the aforementioned Directive 2014/30/EU.  
For details see: [www.tuvsud.com/ps-cert](http://www.tuvsud.com/ps-cert)

**Evaluation Report No.:** 64.772.22.31385.02-(T)

**Date,** 2023-09-12

  
( Volker Albrecht )

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**Model(s):** LUNA2000-200KWH-2H1, LUNA2000-161KWH-2H1,  
LUNA2000-129KWH-2H1, LUNA2000-97KWH-1H1

## Description of Object:

Model:	LUNA2000-200KWH-2H1	LUNA2000-161KWH-2H1	LUNA2000-129KWH-2H1	LUNA2000-97KWH-1H1	
Internal battery system					
Battery Module	ESM-51320AS1	ESM-57280AS1	ESM-57280AS1		
Battery Type	LFP				
Rated Voltage	665 Vd.c.	720 Vd.c.	576.0 Vd.c.	460.8 Vd.c.	345.6 Vd.c.
Battery Voltage Range	340~700 Vd.c.	388~788 Vd.c.	490~650 Vd.c.	390~520 Vd.c.	300~390 Vd.c.
Rated Energy Capacity	193.5 kWh		161.3 kWh	129.0 kWh	96.8 kWh
Max. Charging Current	170 Ad.c.	140 Ad.c.	215 Ad.c.	270 Ad.c.	280 Ad.c.
Max. Discharging Current	170 Ad.c.	145 Ad.c.	170 Ad.c.	215 Ad.c.	270 Ad.c.
Energy Storage System PCS grid input/output					
Rated AC Voltage	380/400/440 Va.c., 3W+PE				
Rated AC Current	131.2 Aa.c. @440 Va.c. 144.3 Aa.c. @400 Va.c. 151.9 Aa.c. @380 Va.c.			120.7 Aa.c. @440 Va.c. 132.9 Aa.c. @400 Va.c. 139.8 Aa.c. @380 Va.c.	
Max. Output Current (1min)	173.2 Aa.c.				
Rated Frequency	50/60 Hz				
Rated Active Power	100 kW			92 kW	
Power Factor	-1(lagging)~1(leading)				
Auxiliary Supply					
Rated Voltage	200~240 Va.c.				
Max. Input Power	4.2 kW				
Rated Frequency	50/60 Hz				
Overvoltage Category	II				
General					
Protection Class	I				
Operating Temperature Range	-30°C ~ 55 °C				
Enclosure	IP55 (Battery Pack Cabinet) IP66 (DC/DC converter and PCS)				
Remark: All aspects of the essential requirements were assessed. EN 61000-6-4:2007/A1:2011, EN IEC 61000-6-4:2019 for telecommunication/network port only. Environment: other than residential. This certificate does not consider requirements for broadcast radio equipment.					



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**Tested  
according to:**

EN 61000-6-2:2005  
EN 61000-6-2:2005/AC:2005  
EN IEC 61000-6-2:2019  
EN 61000-6-4:2007  
EN 61000-6-4:2007/A1:2011  
EN IEC 61000-6-4:2019  
EN 55011:2016  
EN 55011:2016/A1:2017  
EN 55011:2016/A11:2020  
EN 55011:2016/A2:2021  
IEC 61000-6-2:2016  
IEC 61000-6-4:2018  
CISPR 11:2015  
CISPR 11:2015/A2:2019  
CISPR 11:2015/A1:2016