



Product Service

# Compliance Document

No. D 041829 5401 Rev. 01

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PEOPLE'S REPUBLIC OF CHINA

**Product:** **Energy Storage System  
(Multi-part Electrical Energy Storage  
System)**

This Compliance document confirms the compliance with the listed standards on a voluntary basis. It refers only to the sample submitted for testing and certification and does not certify the quality or safety of the serial products. For details see: [www.tuvsud.com/ps-cert](http://www.tuvsud.com/ps-cert)

**Test report no.:** 64290243015502

**Date,** 2025-05-30

( Billy Qiu )



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**Model(s):** LUNA2000-213KTL-H0 (Power conversion system) +  
LUNA2000-4472-2S (Battery energy storage system)

## Parameters:

### Rating for Multi-part BESS:

Rating for multi-part BESS:			
Model:	LUNA2000-213KTL-H0 + LUNA2000-4472-2S		
PCS model:	LUNA2000-213KTL-H0		
PCS number:	1 × 6	2 × 6	4 × 6
BESS model:	LUNA2000-4472-2S		
BESS number:	1		
AC ports parameters:			
Rated voltage [Va.c.]	800, 3P+PE		
Rated frequency [Hz]	50/60		
Maximum continuous power [kW]*:	236.4 × 6	372.72 × 6	372.72 × 6
Maximum continuous current [Aa.c.]*:	170.6 × 6	269.0 × 6	269.0 × 6
BESS parameters:			
Battery type:	LFP		
Rated energy [kWh]:	4472		
Voltage range [Vd.c.]:	1123~1497		
Auxiliary power supply parameters:			
Rated input voltage [Va.c.]:	380/400, 3P/N/PE		
Rated input frequency [Hz]:	50/60		
Maximum input current [Aa.c.]:	57.7		
General			
Protective class:	I		
Ingress protection rating:	PCS: IP66 BESS: IP55 (Battery Cabin and Control Unit Cabin)		
Ambient temperature range [°C]:	-25 ~ +55		

Remark: The maximum continuous power/current of AC ports parameters represents the total parameters of each Primary circuit (total in 6) of the Multi-part EESS according to the BESS string numbers, the actual POC number depends on the number of PCS according to the final installation.



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## Rating for BESS:

Model:	LUNA2000-4472-2S
Rated energy [kWh]:	4472
Rated voltage [Vd.c.]:	1331.2
Voltage range [Vd.c.]:	1123~1497
Maximum continuous charging power [kW]:	372.72 × 6
Maximum charging current [Ad.c.]:	331 × 6
Maximum continuous discharging power [kW]:	372.72 × 6
Maximum discharging current [Ad.c.]:	331 × 6
Battery String parameters:	
Battery String model:	LUNA2000-745-2R
Battery type:	LFP
Rated Energy [kWh]:	745.44
Rated capacity [Ah]:	560
Rated voltage [Vd.c.]:	1331.2
Voltage range [Vd.c.]:	1123~1497
Maximum continuous charging power [kW]:	372.72
Maximum charging current [Ad.c.]:	331
Maximum continuous discharging power [kW]:	372.72
Maximum discharging current [Ad.c.]:	331
Auxiliary power supply parameters:	
Rated input voltage [Va.c.]:	380/400, 3P/N/PE
Rated input frequency [Hz]:	50/60
Maximum input current [Aa.c.]:	57.7
General	
Protective class:	I
Ingress protection rating:	IP55 (Battery Cabin and Control Unit Cabin)
Ambient temperature range [°C]:	-30 ~ +55



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## Rating for PCS:

Model:	LUNA2000-213KTL-H0
DC terminal parameters:	
Maximum voltage [Vd.c.]	1500
Rated voltage [Vd.c.]	1331.2
Operating Voltage range [Vd.c.]	800~1500
Rated Power DC Voltage Range [Vd.c.]	1100~1500
Maximum continuous current [Ad.c.]	218.5
AC terminal parameters:	
Rated voltage [Va.c.]	800/3N+PE
Rated frequency [Hz]	50/60
Maximum continuous current [Aa.c.]	170.6
Maximum continuous active power [kW]	236.4
General	
Protective class	I
Ingress protection	IP66
Operating temperature range [°C]	-25 ~ 60 (Derating above 40°C)

**Tested  
according to:**

IEC 62933-5-2:2020