Huawei LUNA2000-97/129/161/200KWH

The Huawei LUNA2000 commercial battery system delivers 97-200kWh capacity with up to 100kW charge/discharge power. Features industrial-grade air conditioning, IP55 protection, fire suppression, and LFP cells for C&I energy storage.

Models Covered: LUNA2000-97KWH-1H1, LUNA2000-129KWH-2H1, LUNA2000-161KWH-2H1, LUNA2000-200KWH-2H1

Manufacturer: Huawei Digital Power Technologies Co., Ltd.

Application: Ideal for United Arab Emirates's climate with wide operating temperature range and dust-resistant design.

BATTERIES | LUNA2000 COMMERCIAL SMART STRING ESS | 97-200KWH MODULAR CAPACITY | UP TO 100KW CHARGE/DISCHARGE | INDUSTRIAL AIR CONDITIONING COOLING | IP55 PROTECTION | FIRE SUPPRESSION SYSTEM

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Technical Specifications

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Technical Specifications

Parameter	LUNA2000-97KWH-1H1	LUNA2000-129KWH-2H1	LUNA2000-161KWH-2H1	LUNA2000-200KWH-2H1
Battery System				
Configuration	6S1P	8S1P	10S1P	12S1P
Max Capacity [kWh]	96.8	129.0	161.3	193.5
Max Charge/Discharge Power [kW]	92	100	100	100
Physical Data				

Dimensions (W×H×D) [mm]	1810 × 2135 × 1200			
With Controller (W×H×D) [mm]	2570 × 2135 × 1200			
Weight (with batteries) [kg]	2170	2430	2690	2950
Protection Degree	IP55			
Cooling	Industrial Air Conditioner			
Fire Suppression	Supported			
Operating Temperature	-30 °C ~ +55 °C			
Communication	Ethernet/SFP, Modbus TCP			

Note: Specifications are based on the official Huawei datasheet. Values may be subject to change; always verify against the latest manufacturer documentation.

Key Features

- 97-200kWh Modular Capacity
- Up to 100kW Charge/Discharge
- Industrial Air Conditioning Cooling
- IP55 Protection
- Fire Suppression System
- LFP Cell Technology

Applications & Use Cases

Typical Applications

- Residential solar systems
- Commercial installations
- Industrial solar plants
- Utility-scale projects
- Smart grid integration

Regional Installation Notes (United Arab Emirates)

Climate Suitability: Ideal for United Arab Emirates's climate with wide operating temperature range and dust-resistant design.

- Sand and dust resistant design
- Wide operating temperature range
- High efficiency in hot conditions
- Long-term warranty

Frequently Asked Questions

▼ What cooling system does the commercial LUNA2000 use?

The commercial LUNA2000 uses an industrial-grade air conditioner for precise thermal management, ensuring optimal battery life and performance in demanding environments.

▶ Is fire suppression included?

▶ What is the warranty coverage for the Huawei LUNA2000-97/129/161/200KWH?

▶ What certifications does the Huawei LUNA2000-97/129/161/200KWH have?

▶ What model variants are available in the LUNA2000-97/129/161/200KWH series?

▶ What are the installation requirements for the Huawei LUNA2000-97/129/161/200KWH?

▶ How does the Huawei LUNA2000-97/129/161/200KWH perform in hot climates?

▶ What are the dimensions and weight of the Huawei LUNA2000-97/129/161/200KWH?

Official Source & Documentation

This technical datasheet is derived from official manufacturer documentation provided by **Huawei Digital Power Technologies Co., Ltd.**.

- **Manufacturer Website:** https://solar.huawei.com
- **Technical Support:** solar@huawei.com
- **Sales Inquiries:** sales@huawei-solar.org

- **Data Source:** Official Datasheet - Huawei Digital Power Technologies Co., Ltd.

Disclaimer: *All specifications are based on the official datasheet. Specifications are subject to change without notice. Please verify with the manufacturer for the most current information.*

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