Huawei LUNA2000-5/10/15-S0

The Huawei LUNA2000-S0 is a modular residential battery system delivering 5-15kWh with LiFePO4 chemistry. Features IP66 protection, <29dB silent operation, and seamless integration with SUN2000 inverters.

Models Covered: LUNA2000-5-S0, LUNA2000-10-S0, LUNA2000-15-S0

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-S0 SMART STRING ENERGY STORAGE | LIFEPO4 CHEMISTRY | MODULAR 5KWH INCREMENTS | IP66 PROTECTION | < 29DB SILENT OPERATION | 50KG BATTERY MODULE

Technical Specifications

Parameter	LUNA2000-5-S0	LUNA2000-10-S0	LUNA2000-15-S0
Battery System			
Usable Capacity [kWh]	5	10	15
Nominal Voltage (Single-Phase) [V]	450		
Operating Voltage (Single-Phase) [V]	350-560		
Nominal Voltage (Three-Phase) [V]	600		
Operating Voltage (Three-Phase) [V]	600-980		
Cell Technology	LiFePO4		
Power			
Max Output Power [kW]	2.5	5.0	5.0
Peak Output Power (10 sec) [kW]	3.5	7.0	7.0
Physical Data			
Dimensions (W×H×D) [mm]	670 × 600 × 150	670 × 960 × 150	670 × 1320 × 150
Weight [kg]	63.8	113.8	163.8
Battery Module Weight [kg]	50		
Battery Module Dimensions (W×H×D) [mm]	670 × 360 × 150		
Protection Degree	IP66		
Noise [dB(A)]	< 29		
Operating Temperature	-20 °C ~ +55 °C		
Max Altitude [m]	4000		

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

Key Features

LiFePO4 Chemistry	Modular 5kWh Increments	IP66 Protection
< 29dB Silent Operation	50kg Battery Module	Stackable Design

Applications & Use Cases

Typical Applications

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

Frequently Asked Questions

▼ **How many battery modules can be stacked?**

The LUNA2000-S0 uses modular 5kWh (50kg) battery modules. You can stack 1 module (5kWh), 2 modules (10kWh), or 3 modules (15kWh) on a single power unit.

▶ **What inverters are compatible?**

▶ **What is the warranty coverage for the Huawei LUNA2000-5/10/15-S0?**

▶ **What certifications does the Huawei LUNA2000-5/10/15-S0 have?**

▶ **What model variants are available in the LUNA2000-5/10/15-S0 series?**

▶ **What are the installation requirements for the Huawei LUNA2000-5/10/15-S0?**

▶ **How does the Huawei LUNA2000-5/10/15-S0 perform in hot climates?**

▶ **What are the dimensions and weight of the Huawei LUNA2000-5/10/15-S0?**

Availability & grid compliance in UAE

Market	UAE
Grid authority / regulator	DEWA, ADDC, SEWA
Quotation currency	AED
Support hours timezone	Asia/Dubai
Delivery & installation coverage	Dubai, Abu Dhabi, Sharjah, Ajman, Ras Al Khaimah

Figures on this page are the manufacturer's own, measured at the test conditions the datasheet states — they do not change by country. What changes is the approval that has to be met before the unit is energised: in UAE that is DEWA, ADDC, SEWA. Confirm the grid code, import requirements and any local certification with them, or with us, before you order.

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:** sales@huawei-solar.org
- **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.*

Last Updated: March 2026 | **Document Version:** 1.0 | **Published by:** Huawei UAE (huawei-solar.org)