

## SolarGrid Energy Solutions

# Huawei Energy Storage Product Communication Module



## Overview

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What is energy storage system products list?

Energy Storage System Products List covers all Smart String ESS products, including LUNA2000, STS-6000K, JUPITER-9000K, Management System and other accessories product series.

Does sun2000 support 4 energy storage systems in parallel operation?

\*8 Only SUN2000-12/15/17/20/25K-MB0 supports 4 energy storage systems in parallel operation. \*9 For details on the timetable of compatibility with SUN2000-8/10K-LC0 and SUN2000-2/3/3.68/4/4.6/5/6KTL-L1, please confirm with your local product manager of Huawei for final version.

Are power modules and battery modules separately ordered?

\*10 The power module and battery modules of the storage system are separately ordered in the required quantity. Disclaimer: The preceding values are measured by an internal laboratory of Huawei in a specific environment. The actual values may vary with products, software versions, usage conditions, and environmental factors.

## Huawei Energy Storage Product Communication Module

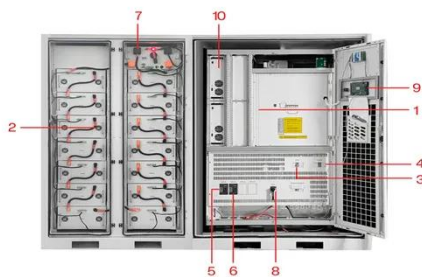
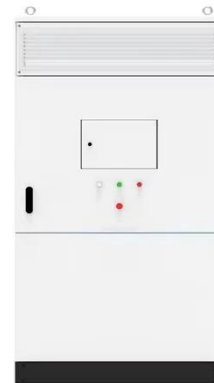


### Intelligent Lithium Energy Storage System

Feb 21, 2020 · Intelligent Lithium Energy Storage System ESM-48150B1 Datasheet  
ESM-48150B1 is an energy storage module based on innovative Li-ion technology. It is especially ...

### Developing New Infrastructure for the Digital ...

Nov 8, 2023 · In urban scenarios, there is a growing demand for low-carbon, energy-intelligent twins that integrate generation, grid, load, storage, and ...



- |                             |                             |
|-----------------------------|-----------------------------|
| 1 PCS Module                | 6 OPV2 side circuit breaker |
| 2 Battery room              | 7 High Volt Box             |
| 3 Grid side circuit breaker | 8 BAT side circuit breaker  |
| 4 Load side circuit breaker | 9 LCD display screen        |
| 5 OPV1 side circuit breaker | 10 MPPT                     |

### LUNA2000-215 Series Specs , HUAWEI Smart PV ...

Learn more about the detailed model, parameter configuration, compatibility, environment, and product description of the LUNA2000-215 Series.

## SMART STRING ENERGY STORAGE SYSTEM

\*1 Test conditions: 100% depth of discharge (DoD), 0.2C rate charge & discharge at 25 °C, at the beginning of life. If no PV modules are installed or the system has not detected sunlight for at

...

Energy storage(KWH)

**102.4kWh**

Nominal voltage(Vdc)

**512V**

Outdoor All-in-one ESS cabinet



Warranty  
**10 years**

LiFePO<sub>4</sub>

Intelligent BMS

Wide Temp:  
-20°C to 55°C



## SMART STRING ENERGY STORAGE SYSTEM

Jan 21, 2025 · \*2 CAN is for communication between energy storage in parallel scenarios only. Launch time of FE communication is to be determined, please confirm with your local product ...

## Building smart energy services with IoT

Oct 28, 2020 · Smart IoT with cloud-edge-device architecture powers integrated energy services. By Xiang Yunkun, Business Operation Director, State Grid

...



## SMART STRING ENERGY STORAGE SYSTEM

Jul 14, 2000 · \*1 Test conditions: 100% depth of discharge (DoD), 0.2C rate charge & discharge at 25°C, at the beginning of service life. \*2 CAN is for

communication between ESSs in parallel  
...



## LUNA2000-5,10,15-S0 Datasheet

Jun 12, 2025 · \*7 Storage system is ordered and delivered in the form of power module and battery module separately with corresponding quantity.  
Disclaimer: the preceding values are ...



## Overview

The LUNA2000 ESS consists of an Energy Storage Control Unit and Energy Storage Modules (also referred to as battery expansion modules or battery packs). It stores and releases ...

## LUNA2000 Smart String ESS FAQ

Feb 1, 2022 · The information in this document may contain predictive statements including, without limitation, statements regarding the future financial and operating results, future ...



## Leading Solar Solutions for a Greener Future

HUAWEI FusionSolar advocates green power generation and reduces carbon emissions. It provides smart PV solutions for residential, commercial, ...

## Overview

Aug 1, 2025 · The LUNA2000 User Manual offers an overview of the product, covering features, specifications, and usage guidelines for Huawei's energy storage solutions.

Lower cost  
larger system

20Kwh

30Kwh



Verified Supplier



## LUNA2000-7/14/21-S1 Specs , HUAWEI Smart ...

Jul 14, 2021 · Learn more about the detailed model, parameter configuration, compatibility, environment, and product description of the LUNA2000-7/14/21-S1.





## LUNA2000-7/14/21-S1 Specs , Smart Energy Storage System , Huawei

Jul 14, 2021 · Learn more about the LUNA2000-7/14/21-S1 product range, performance, communication methods, general specifications, applicable environment and its compatible ...



Support Customized Product



## The Importance of Residential Energy Storage

Apr 22, 2024 · Maximize home efficiency with residential energy storage solutions. Store excess power, ensure backup, and cut energy costs ...

## LUNA2000-97/129/161/200KWH Specs

Learn more about the detailed model, parameter configuration, compatibility, environment, and product description of the LUNA2000-97/129/161/200KWH.



## Energy Storage Solution (ESS) , HUAWEI Smart ...

Huawei's Smart String Grid-Forming ESS ensures robust protection through five layers of integrated safety design, from individual cells, battery packs, racks, ...

## SmartLi 3.0 ST Datasheet

Dec 31, 2024 · SmartLi is a battery energy storage system developed by Huawei for UPS, which has the features of safety and reliability, long lifespan, space saving and easy maintenance.



## Smart String Energy Storage System

Sep 16, 2024 · 2. Charge/discharge derating occurs when the operating temperature from 5 3. Refer to battery warranty letter for conditional





application. 45°C to 55°C. 4. Available in Q1, ...

## SmartLi 3.0 ST Datasheet

Dec 31, 2024 · SmartLi is a battery energy storage system developed by Huawei for UPS, which has the features of safety and reliability, long lifespan, space saving and easy maintenance. ...



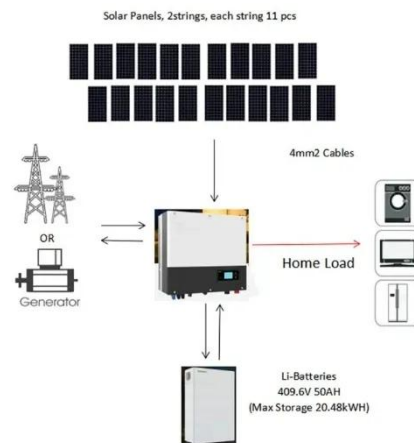
## Huawei Enterprise Support Community

Aug 1, 2025 · We're sorry but web site doesn't work properly without JavaScript enabled. Please enable it to continue.  
Loading

## Lithium Battery (DBU50B-N12A3, 01076026)

Lithium Battery (DBU50B-N12A3, 01076026) Functions The lithium battery supplies backup power to communications equipment when the

third-party power system has no grid power input, ...



## SmartLi-ESM-24020P1 User Manual

Purpose This document describes the energy storage module (ESM) SmartLi-ESM-24020P1 in terms of its overview, transportation, storage, installation, cable connection, power-on ...

## LUNA2000

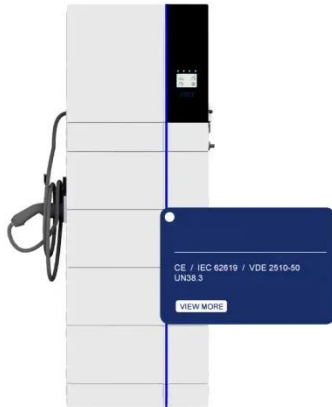
2.2 Product Description Introduction The ESS mainly consists of lithium battery packs (PACK), Power Converter System (PCS), DC-DC Converter (DCDC) (optional), Rack Control Module ...



## Energy Storage System

6 days ago · CATL's energy storage systems provide energy storage and output management in power generation. The electrochemical technology and renewable energy power

generation ...



## Battery Cabinet

Mar 21, 2023 · SmartLi 2.0 is a self-developed battery energy storage system solution. It provides a cabinet-level battery management system and supports a maximum of 15 cabinets ...



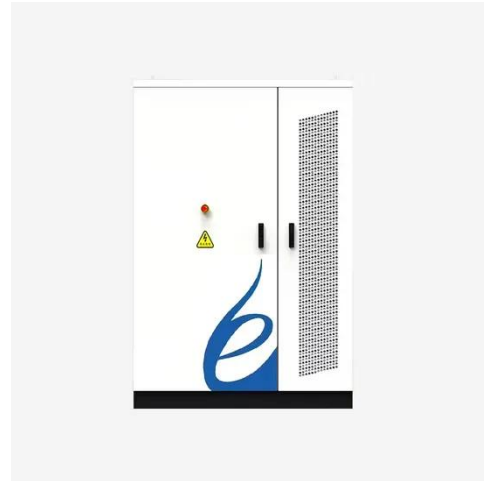
## LUNA2000-215 Series , Smart String Energy Storage

Introducing the innovative C2C dual-link safety, the Huawei smart energy storage system LUNA2000-215 Series sets a new benchmark for safe and efficient industrial and commercial ...

## Smart String Energy Storage System

Dec 20, 2020 · 1: To ensure stable data transmission, Huawei suggests 4G dongle to be installed in areas with stable mobile signal (2G signal  $\geq 4$ )

bars, 3G/4G signal  $\geq 3$  bars). 2: 3rd-party ...



### **Huawei Launches Power-S, Seamless Solar Hybrid Power**

May 18, 2023 · Huawei Digital Power launch in South Africa presented new Commercial & Industrial products that will help many small business across Africa with ongoing power outages.

### **Smart String Energy Storage System**

Sep 16, 2024 · Storage system is ordered and delivered in the form of power module and battery module separately with corresponding quantity.



### **HUAWEI BOOSTLI ESM-48100B1 USER MANUAL ...**

View and Download Huawei BoostLi ESM-48100B1 user manual online. Energy Storage Module. BoostLi ESM-48100B1 battery pack pdf manual



download.

## LUNA2000-S1 User Manual

Purpose This document describes the product information, application scenarios, installation, commissioning, maintenance, and technical specifications of the energy storage system (ESS) ...



✓ IP65/IP55 OUTDOOR CABINET

✓ IP54/55

✓ OUTDOOR ENERGY STORAGE CABINET

✓ OUTDOOR MODULE CABINET

## Huawei LUNA1: The future of home energy storage

Mar 29, 2024 · Huawei: Advancing the Intelligent World Huawei's flagship Residential Solar ESS product, the LUNA2000-7/14/21-S1 (Huawei LUNA S1), ...

## Battery Module

A battery module has 40 lithium iron phosphate cells (two parallel strings, each consisting of 20 cells connected in series). The built-in BMU manages battery balance, measures common ...



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