

# Huawei energy storage power configuration



## Overview

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Huawei Luna consists of the Power Module, the electronic component and 5 kWh battery packs. Huawei energy storage battery cabinets have become a game-changer in power management, offering scalable energy storage solutions for industries ranging from renewable energy projects to emergency backup systems. Whether you're managing a solar farm or securing power for a manufacturing facility . Energy Storage System Products List covers all Smart String ESS products, including LUNA2000, STS-6000K, JUPITER-9000K, Management System and other accessories product series. This document describes the networking architecture, communication logic, and operation and maintenance (O&M) methods of the commercial and industrial (C&I) on-grid energy storage solution, as well as the installation, cable connection, check and preparation before power-on, system power-on . Commercial and Industrial On-Grid Energy Storage Solution Quick Guide (Based on 215KWH Series ESS) About This Document About This Document Purpose This document describes the networking architecture, communication logic, and operation and maintenance (O&M) methods of the commercial and industrial . The storage system made by Huawei LUNA 2000 is available. The system can be modulated with lithium batteries from 5KWh to 15KWh. High-voltage lithium iron phosphate (LFP) batteries have a very stable and resistant chemical structure. Launch time of FE communication is to be determined, please confirm with your local product manager of Huawei for final version.

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### First projects using Huawei's smart renewable

It is powered by a 50 MW/100 MWh Huawei grid-forming smart string ESS solution, which has been verified through performance tests to have excellent grid-forming capabilities, compatibility

### Quick Guide (Based on 2.0MWH and 1.0MWH Series ESS)

If the ESS is fully charged or being charged at full power, the surplus PV power is fed to the power grid. The grid cannot charge the ESS but can supply power to loads.



### Huawei Luna the storage system

Huawei Luna consists of the Power Module, the electronic component and 5 kWh battery packs. The modular design allows to expand the storage capacity from 5 KWh up to 15 KWh with the

### Smart String Energy Storage System

Storage system is ordered and delivered in the form of power module and battery module separately with corresponding quantity.



[The value of flexibility and robustness in residential battery storage](#)



## Efficient Energy Storage Solutions with Huawei

This video is designed for professionals working in solar and energy storage system installations—specifically for those planning to implement high-performance Huawei BESS systems.

The power module and battery modules of the storage system are separately order in the required quantity.



## HUAWEI 215KWH SERIES QUICK MANUAL Pdf

For details, see the user manuals or quick guides of the corresponding devices.

## Huawei LUNA2000-7-S1 360V 7kWh + Power Module BMS High

This module has 7 kWh of useful energy and the BMS (Battery Management System) to function as an interface with the inverter to which it is connected. It is possible to control up to 3 modules with the



## [How to Use Huawei Energy Storage Battery Cabinet: A Step-by-Step](#)

From solar farms to hospital backup systems, Huawei's energy storage cabinets are like the Swiss Army knives of power management. Whether you're looking to cut energy costs or boost renewable

## **Energy Storage System Products List , HUAWEI Smart PV Global**

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



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