

# Huawei LUNA Battery Extensions 5 kWh

Product code: ME.Battery.Huwei.01



The LUNA2000 is a comprehensive system that includes a power control module and battery extension modules. It is capable of storing and releasing electrical energy according to the requirements of the inverter management system. It's worth noting that the input and output ports of the LUNA2000 battery are high-voltage direct current ports. The battery charging process is controlled by the power control module, which connects to the inverter's battery terminals (BAT+ and BAT-). During charging, under the supervision of the inverter, this module draws electrical energy, storing excess solar energy in the batteries. In cases where the available solar energy is insufficient to power the load, the system controls the batteries to supply energy. The power control module directs energy from the batteries to the loads through the inverter. This way, the comprehensive LUNA2000 system efficiently manages the energy flow, adapting to variable conditions and ensuring a reliable power source.

## Product variants

Index	Price
<b>Huawei LUNA Battery Extensions 5 kWh</b> ME.Battery.Huwei.01	Product prices only visible after login. If you do not have an account, please register.

## Product description

Huawei LUNA Battery Extensions 5 kWh

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(BAT+ and BAT-) of the inverter. During charging, under the supervision of the inverter, this module draws electrical energy, storing excess photovoltaic energy in the batteries.

In case the available photovoltaic energy is insufficient to power the load, the system controls the batteries to supply energy. The power control module directs energy from the batteries to the loads through the inverter. Thus, the comprehensive LUNA2000 system effectively manages the energy flow, adapting to variable conditions and providing a reliable power source.

Key Advantages of Huawei LUNA Battery Extensions:

More usable energy – 100% depth of discharge (DoD), energy consumption optimization at the package level

Flexible investment – 5 kWh modules, scalable construction from 5 to 30 kWh

Safe and reliable – lithium iron phosphate (LFP) battery

Easy installation – control module – 12 kg, energy storage module – 50 kg

Quick startup – system automatically detected in the application

Excellent compatibility – compatible with both single-phase and three-phase inverters

Technical Data of Huawei LUNA Battery Extensions:

LUNA2000-5KW-C0 Power Module

Number of control modules 1

LUNA2000-5-E0 Energy Storage Module

Control module capacity 5 kWh

Nominal voltage (single-phase system) 360 V

Operating voltage range (single-phase system) 350 ~ 560 V

Nominal voltage (three-phase system) 600 V

Operating voltage range (three-phase system) 600 ~ 980 V

Display SOC status indicator, LED indicator

Communication RS485 / CAN (for parallel operation only)

Operating temperature -10°C ~ +55°C

Relative humidity 5% ~ 95%

Cooling Natural convection

IP protection rating IP65

Noise emission < 29 dB

Cell technology LiFePO4

Warranty 10 years

Scalability Up to 2 systems operating in parallel

Compatible inverters SUN2000L-2/3/3.68/4/4.6/5KTL, SUN2000-2/3/3.68/4/4.6/5/6KTL-L1,

SUN2000-3/4/5/6/8/10KTL-M0, SUN2000-3/4/5/6/8/10KTL-M1