



# Huawei 3kW energy storage all-in-one device





## Overview

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The Huawei SUN2000L 3KTL-M1 inverters are suitable for direct use of generated energy, feeding back into the grid, and, if necessary, storing in batteries. Energy Storage System Products List covers all Smart String ESS products, including LUNA2000, STS-6000K, JUPITER-9000K, Management System and other accessories product series. Market Leadership with Proven Technology: Huawei maintains its position as the world's #1 solar inverter manufacturer for six consecutive years, commanding 29% of the global market through superior AI-powered optimization, 99% peak efficiency, and extensive R&D investment representing 54. High yields can be achieved thanks to the maximum efficiency of 98.3% (European efficiency of 98.3%). The HUAWEI SUN2000-2KTL-6KTL-L1 is a battery-ready string inverter rated from 2 kW up to 6kW, ideal for integration with the LUNA Smart String Energy Storage System, SmartGuard and EMMA, Huawei's energy management assistant. It is prepared to add in the future, when Huawei enables this possibility, batteries that increase its degree of self-consumption.



## Huawei 3kW energy storage all-in-one device



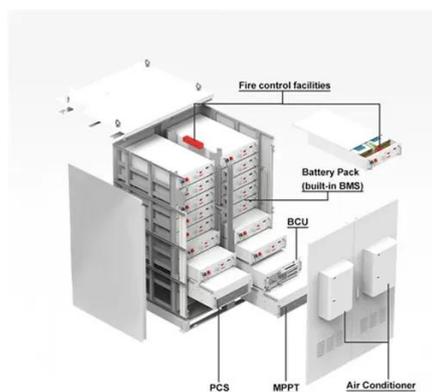
### [Leading Solar Solutions for a Greener Future , HUAWEI Smart ...](#)

It provides smart PV solutions for residential, commercial, industrial, utility scale, energy storage systems, and microgrids. It builds a product ecosystem centered on solar inverters, charge ...

## Huawei 3kw energy storage all-in-one device

Huawei says its new, all-in-one storage solution for residential PV comes in three versions with one, two, or three battery modules, offering 6.9 kWh to 20.7 kWh of usable energy.

**INTEGRATED DESIGN**  
EASY TO TRANSPORT AND INSTALL,  
FLEXIBLE DEPLOYMENT



### [Huawei Three-Phase Hybrid Inverter SUN2000-3KTL-M1 3kW](#)

The Huawei SUN2000-3KTL-M1 3kW Three-Phase Inverter incorporates two MPPTs that offer more flexibility and efficiency to the system along with Wifi connectivity.

## Huawei 3-phase hybrid inverter

Discover the three-phase hybrid inverters from Huawei: ideal for PV systems with storage. With intelligent control, high efficiency and flexible integration - perfect for commercial and modern ...



### Huawei 3KW Smart Energy Controller

Combined with an energy storage system (ESS) and Huawei's SmartGuard, it ensures uninterrupted power supply during power outages and emergencies. In a single-phase backup solution, one ...



### 3kw Huawei Solar Inverter

Discover 3kw Huawei solar inverters with MPPT, 10-year warranty, and hybrid smart app control for home solar power systems.



### [Huawei Solar Inverter Complete Guide 2025: Models, Performance](#)

Huawei's LUNA2000 battery system represents a significant advancement in residential energy storage, offering seamless integration with SUN2000 inverters and industry-leading ...

### [Energy Storage System Products List .](#)



## [HUAWEI Smart PV Global](#)

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## **Huawei 3kW THREE-PHASE HYBRID Inverter**

The Huawei SUN2000L 3KTL-M1 inverters are suitable for direct use of generated energy, feeding back into the grid, and, if necessary, storing in batteries. The integrated energy storage interface means ...

## [Huawei Sun2000 3kW L1 High Voltage Hybrid Storage Inverter](#)

A simple plug-and-play device with no extra devices needed, this hybrid inverter comes with AI Self learning new arc detection, simple commissioning by APP and auto-detection of system equipment.





## Contact Us

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For catalog requests, pricing, or partnerships, please visit:

<https://www.firmaskrzypek.pl>

Phone: +48 22 426 71 90

Email: [info@firmaskrzypek.pl](mailto:info@firmaskrzypek.pl)

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