

GoodWe ESA 125/261 GW125/261-ESA-LCN-G10

Product code: BESS.GoodWe.08



GoodWe ESA 125/261 GW125/261-ESA-LCN-G10 – Comprehensive Energy Storage System for C&I Applications

The GoodWe ESA 125/261 energy storage system is a modern, integrated solution designed for commercial and industrial (C&I) applications. By combining an inverter (PCS), a Lithium Iron Phosphate (LFP) battery, an Energy Management System (EMS), and a Battery Management System (BMS) in a single enclosure, the ESA 125/261 offers high flexibility, reliability, and maximum energy efficiency.

Product variants

Index	Price
GoodWe ESA 125/261 GW125/261-ESA-LCN-G10 BESS.GoodWe.08	Product prices only visible after login. If you do not have an account, please register.

Product description

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Thanks to its modular design and the ability to connect up to 10 units in parallel (totaling 1.25 MW / 2.61 MWh), the system provides scalability to meet the dynamic and growing energy needs of businesses. Advanced safety features and battery state prediction systems make the GoodWe ESA one of the safest and most technologically advanced energy storage platforms on the market.

Key Advantages

Fully integrated All-in-One solution – simplified installation, transport, and maintenance.

Large energy capacity of 261.25 kWh and power of 125 kW – ideal for C&I installations.

Parallel connection of 10 units possible – scalability up to 2.61 MWh / 1.25 MW.

High energy density (177.6 kWh/m²) – saves installation space.

Advanced safety – 6 levels of protection (active and passive), aerosol and water-based fire suppression.

AI for battery health diagnostics and prediction – proactive system maintenance.

Compatibility with PV installations – full integration with photovoltaics.

Remote monitoring and control via app and Modbus protocols – intelligent energy management.

Technical Specifications

Battery Data:

Cell Type: LFP (LiFePO₄)

Module Capacity: 52.25 kWh (5 packs)

Total Capacity: 261.25 kWh (Usable: 261.25 kWh)

Nominal Voltage: 832 V

Voltage Range: 676 ~ 936 V

Charge/Discharge Current: max. 198.5 A

Recommended Depth of Discharge: 90% ~ 100%

AC Data (On-Grid and Off-Grid):

Nominal Power: 125 kW

Max. Power: 137.5 kW (400V AC), 130.6 kW (380V AC)

Output Voltage: 400 / 380 V, 3L/N/PE

Voltage Range: 340 ~ 440 V / 323 ~ 418 V

Frequency: 50/60 Hz

Power Factor: ~1 (adjustable 0.8 lagging / leading)

THD: <3%

Efficiency:

Max. PCS Efficiency: 98.6%

Overall System Efficiency: 88%

Protections:

Reverse polarity protection

Anti-islanding protection

Overload, short-circuit, AC overvoltage protection (Type II)

Fire protection: aerosol and water-based (pack level)

General Data:

Operating Temperature Range: -20°C ~ +55°C

Weight: 2580 kg

Dimensions (W × H × D): 1050 × 2250 × 1400 mm

Cooling: Liquid (battery), intelligent fans (PCS)

User Interface: LED, app (WLAN)

Communication: Modbus TCP/RTU

Noise Level: ≤70 dB

IP Class: IP55 (battery cabinet)

Corrosion Resistance: C4 (C5 optional)

Max. Operating Altitude: 4000 m above sea level (derating above 2000 m)

Charge/Discharge Switching Time: <60 ms

A Proven Solution for Energy-Intensive Businesses

The GoodWe ESA 125/261 is a solution for companies that expect a comprehensive and secure energy management system. Ideal for industrial parks, shopping centers, or production facilities, this system integrates technology, safety, and flexibility into a single compact unit.