



ESS Solution

SE-F5

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Comprehensive Protection

— Advanced BMS with active fuse



Superior Performance

— Support Max. 1C charge & 1.2C discharge, GaN MOSFETs: 50% loss reduction, high-temp resistance



Optimized Energy Density

— Integrated PACK: reduced line loss, enhanced energy density



Flexible Expansion

— Max. 32 units in parallel



Easy Maintenance

— Auto-networking, Local monitoring mode for battery, remote monitoring mode for ESS



Reliable Durability

— Operates reliably in -20°C to 55°C , natural cooling

ESS Solution



Model

Main Parameters

Battery Chemistry

Capacity

Scalability ^[1]

Nominal Voltage

Operating Voltage

Nominal Energy

Charge Current ^[2]

Discharge Current ^[2]

Recommend

Max. Continuous

Peak

Recommend

Max. Continuous

Peak

Recommend Depth of Discharge

Dimension (W × H × D) (Without hanging board)mm

Weight Approximate

LED Indicator

IP Rating of Enclosure

Operating Temperature

Storage Temperature

Relative Humidity

Altitude

Cycle Life

Installation

Communication

Warranty Period ^[3]

Energy Throughput ^[3]

Certification

SE-F5

LiFePO₄

100 Ah

Max. 32 pcs in parallel

51.2 V

44.8 V ~ 57.6 V

5.12 kWh

50 A

100 A

120 A (10 sec)

50 A

120 A

150 A (10 sec)

80% DoD

370 × 548 × 140 mm

41 kg

LED (SOC, working, protecting) & Buzzer

IP21

Charge: 0~55°C / Discharge: -20~55°C

0°C~35°C

95% (non-condensing)

≤3000m

≥6000(25°C±2°C ,70%EOL)

Wall-Mounted, Floor-Mounted, Stack-Mounted

CAN2.0, RS485, Bluetooth+APP

5 years

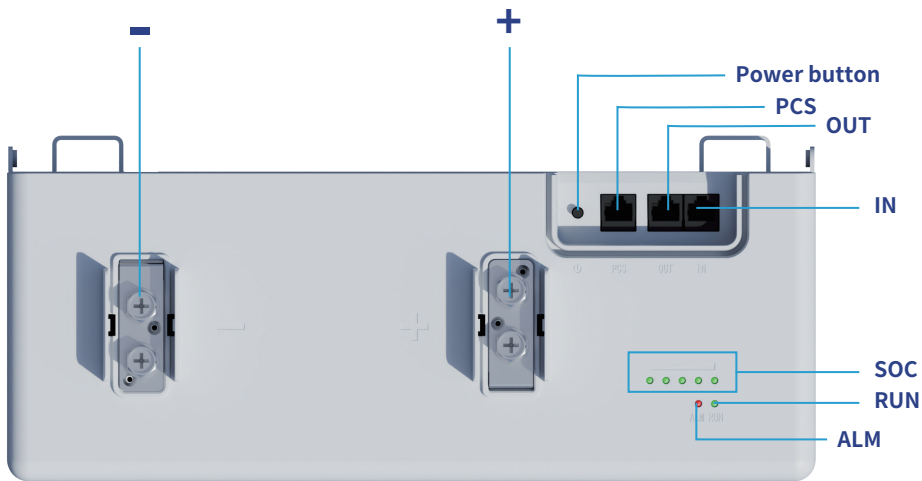
8 MWh

UN38.3, MSDS, CE, CB

[1] Max. 64 pcs can parallel with CAN-Bridge.

[2] Operating current is affected by temperature and SOC.

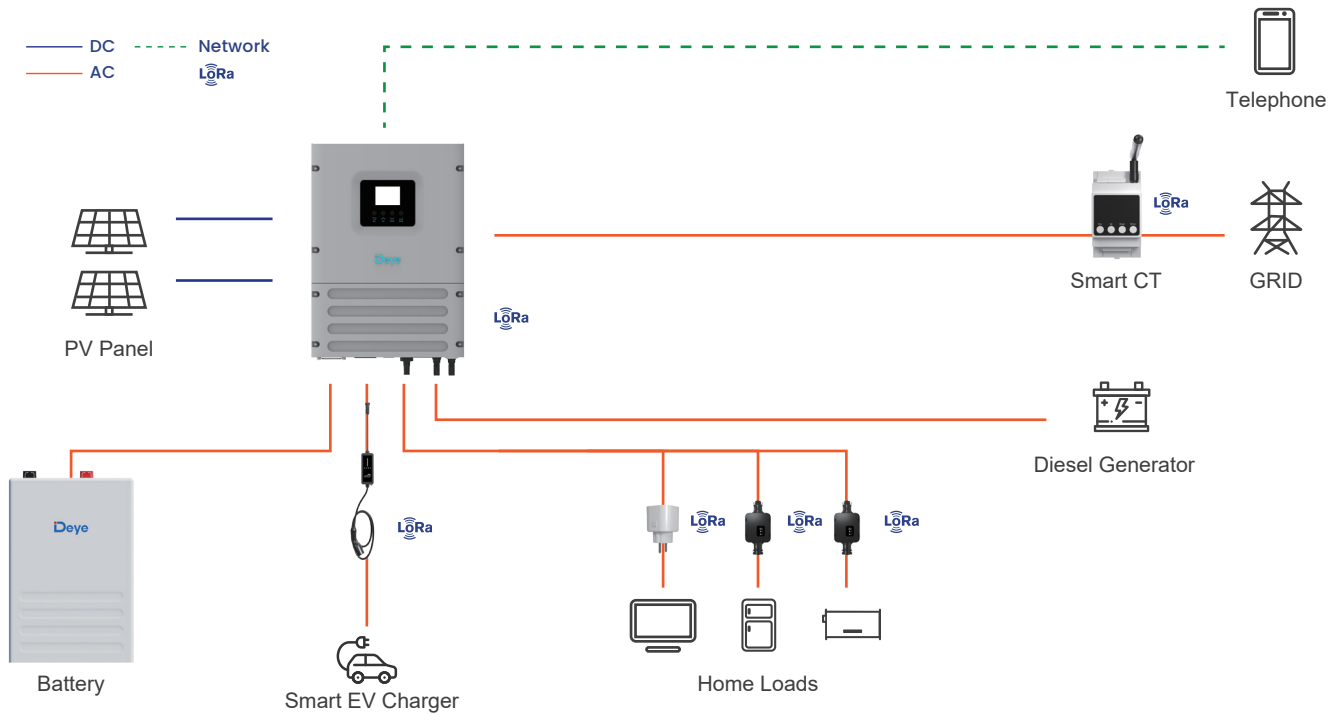
[3] Conditions apply, refer to Deye Warranty Letter.



- ⊙ -: Battery negative terminal connection position.
- ⊙ +: Battery positive terminal connection position.
- ⊙ SOC: These 5 LEDs are used to display the pack SOC and charge or discharge state.
- ⊙ RUN light: green LED lighting to show the battery running status.
- ⊙ ALM light: red LED lighting to show the battery has been alarmed .
- ⊙ Power button: Power on or off the control battery.
- ⊙ PCS: Inverter communication terminal:(RJ45port) follow the CAN protocol (baud rate:500kbps),and RS485(baud rate:9600bps),used to output battery information to the inverter.
- ⊙ OUT: parallel Communication Terminal:(RJ45port) Connect "IN"Terminal of Next battery,for Communication between multiple parallel batteries.
- ⊙ IN: parallel Communication Terminal: (RJ45 port) Connect "OUT" Terminal of Previous battery,for Communication between multiple parallel batteries.

Deye Smart Energy Management System(Optional)

The Deye Smart Energy Management System enables seamless control with smart CT, smart plug, smart switch and solar EV charging, ensuring efficiency and full compatibility with Deye inverters.



Key Features

- Wireless Zero Export Control**
Enables seamless zero export without the need for complex wiring, simplifying installation.
- Intelligent Load Control**
Automatically manages loads based on time schedules and battery SOC, optimizing energy distribution.
- Solar-Powered EV Charging**
Supports 100% solar charging with dynamic power adjustment for enhanced efficiency and sustainability.
- Full Compatibility**
All Deye hybrid inverters can be upgraded to support this system, ensuring seamless integration with existing setups.
- Precise Off-Grid Load Management**
Ensures that only non-essential loads are disconnected during off-grid operation, maintaining power supply for critical applications.



Deye APP



Bluetooth APP Monitoring



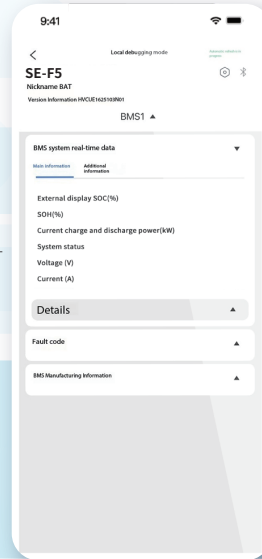
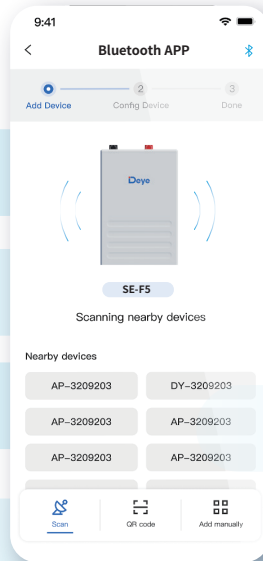
Low Power (Bluetooth LE)



Automated upgrade



Local monitoring mode for battery



Quick Pairing



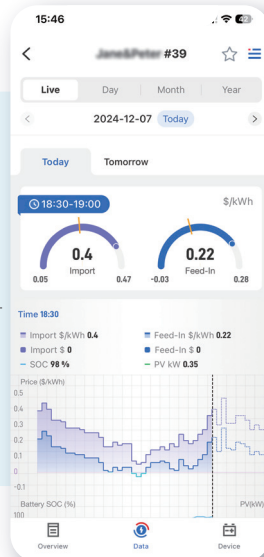
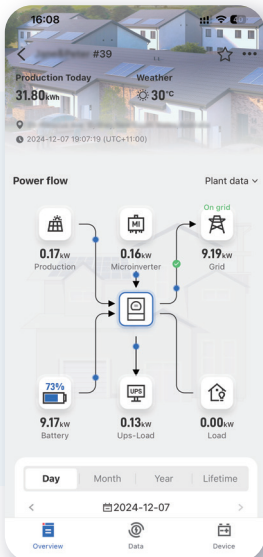
No Internet Needed



Portable Control



Remote monitoring mode for ESS(Inverter&Battery)



Real-time Equipment Monitoring



Intelligent Charging/Discharging Strategies



AI Data Analytics



Customized Maintenance

Smarten Up Your Home Energy



Download Deye APP to join us!

Embrace a seamless, effortless energy experience that's both ecofriendly and budget-friendly with our intelligent assistant





POWERING YOUR LIFE



www.deyeess.com / www.deyeinverter.com



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