

ESS Solution

SE-F16 Max-6



Safer & Reliable

Lithium Iron Phosphate (LFP) Battery, safety and long lifespan.
Built-in intelligent BMS with active fuse, providing complete protection.
Intelligent thermal management, IP65/NEMA 3R, wide temperature range: -20°C to 55°C / -4°F to 131°F .



Convenient & Smart

Battery module auto networking (No DIP switches), easy to use.
Support Deye Cloud remotely monitoring and upgrade via Deye Inverter.
Support local Bluetooth APP monitoring and upgrade.



Flexible

Modular design, easy to expand, Max. 32 units in parallel.
Suited to residential and small commercial applications for increasing the self-consumption ratio.



Ultra-efficient

Support Max. 0.5C charge & 0.6C discharge, Max. 11.8kW output power.
Integrated PACK design reduces line loss and increases energy density.



Wall-Mounted & Floor-Mounted

Flat design, support wall-mounted and Floor-mounted, saving installation space.

ESS SOLUTION



Model

SE-F16 Max-6

Main Parameters

| |
|------------------------------------|
| Battery Chemistry |
| Rated Capacity (Ah) ^[1] |
| Scalability ^[2] |
| Nominal Voltage (V) |
| Operating Voltage(V) |
| Nominal Energy (kWh) |
| Usable Energy (kWh) ^[1] |
| Max. Output Power (kW) |

| | |
|-------------------------------------|-----------------|
| Charge Current(A) ^[3] | Recommend |
| | Max. Continuous |
| | Peak |
| Discharge Current(A) ^[3] | Recommend |
| | Max. Continuous |
| | Peak |

Other Parameter

| |
|--|
| Recommend Depth of Discharge |
| Dimension (W/H/D)(Without hanging board and terminals) |
| Weight Approx. |
| Display |
| Ingress Protection Rating/Enclosure Rating |
| Operating Temperature |
| Storage Temperature |
| Relative Humidity |
| Altitude |
| Cycle Life |
| Isolation Protection |
| Installation |
| Communication |
| Certification |
| Energy Throughput ^[4] |
| Warranty Period ^[4] |

| |
|-------------------------|
| LiFePO ₄ |
| 314 |
| Max. 32 pcs in parallel |
| 51.2 |
| 44.8 - 57.6 |
| 16 |
| 16 |
| 11.8 |
| 157 |
| 160 |
| 280 (10 sec) |
| 157 |
| 200 |
| 240 (10 sec) |

| |
|---|
| 90% DOD |
| 464*914*244.5 mm/18.3" x 36.0" x 9.63" |
| 120kg/264.55lbs |
| LCD(SOC, Alarm) |
| IP65/NEMA 3R |
| Charge: -20°C~55°C/-4°F~131°F(heating activated), Discharge: -20°C - +55°C/-4°F~131°F |
| 0°C~35°C/32°F~95°F |
| 95% (non-condensing) |
| ≤3000m/9843ft |
| ≥6000(25°C±2°C/77°F ±35.6°F ,70%EOL) |
| Built-in Circuit Breaker |
| Wall-Mounted, Floor-Mounted |
| CAN2.0, RS485, Bluetooth |
| UN38.3, UL1973, UL9540A, UL9540-DC, FCC |
| 50 MWh |
| 10 years |

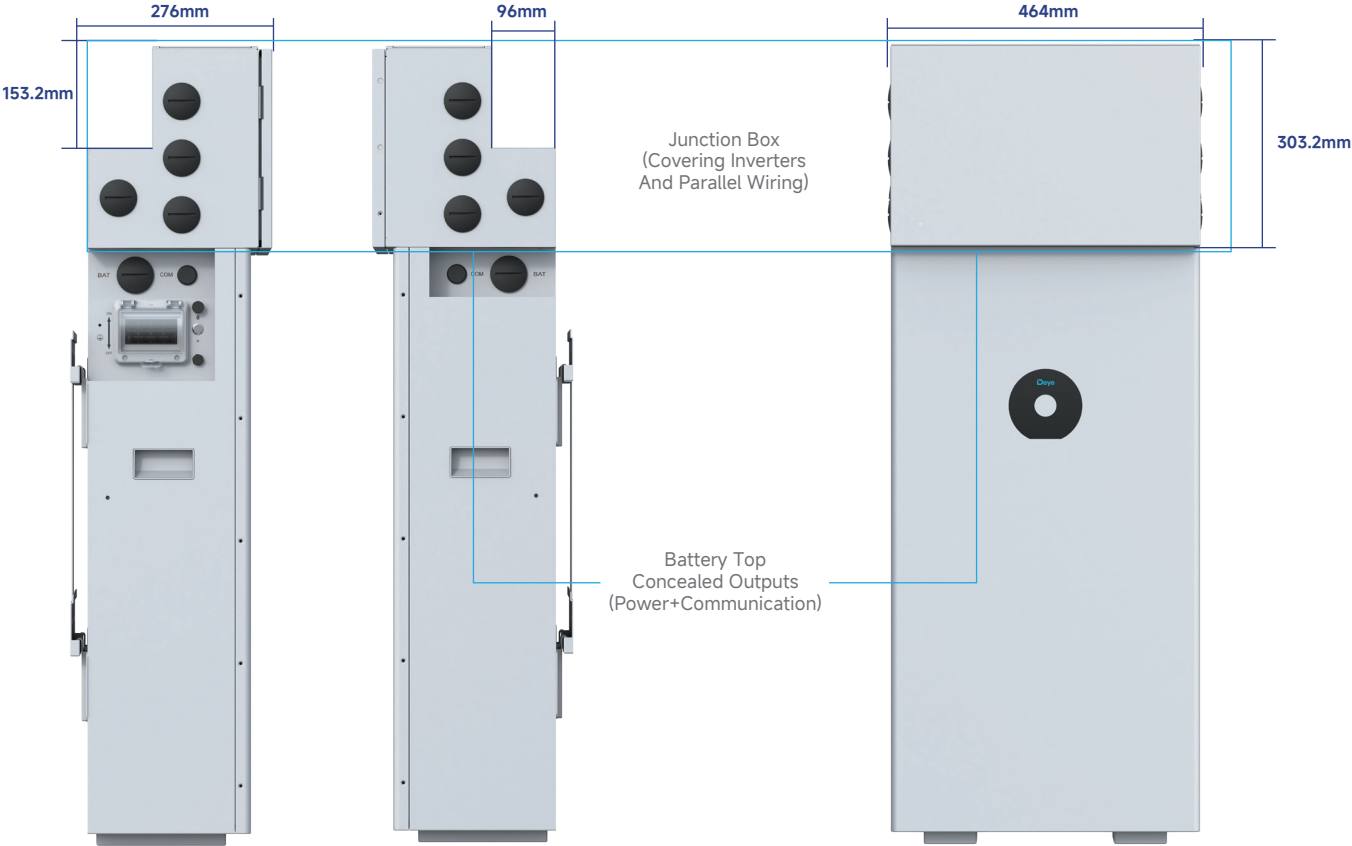
[1] Test conditions : 25°C±2°C/77°F ±35.6°F , at beginning of life, 0.5C charge & 0.5C discharge,100% DOD.

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

[3] The current is affected by temperature and SOC.

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

With Junction Box, 1000A (Optional)



Deye APP

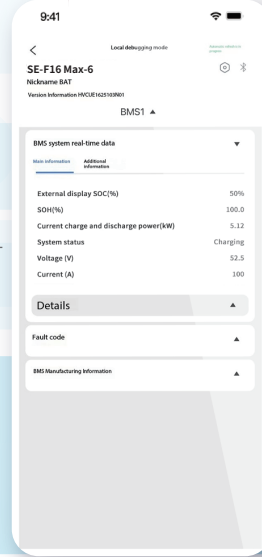
Bluetooth APP Monitoring

Low Power (Bluetooth LE)

Automated upgrade



Local monitoring mode for battery



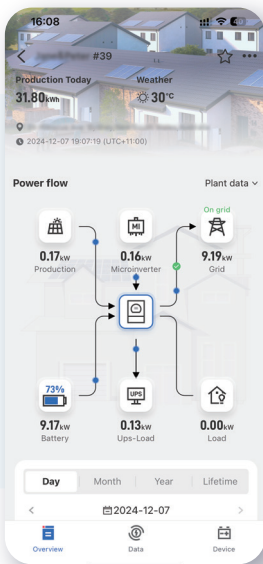
Quick Pairing

No Internet Needed

Portable Control



Remote monitoring mode for ESS(Deye 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



Deye ESS / Deye New Energy



www.deyeess.com / www.deyeinverter.com