



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

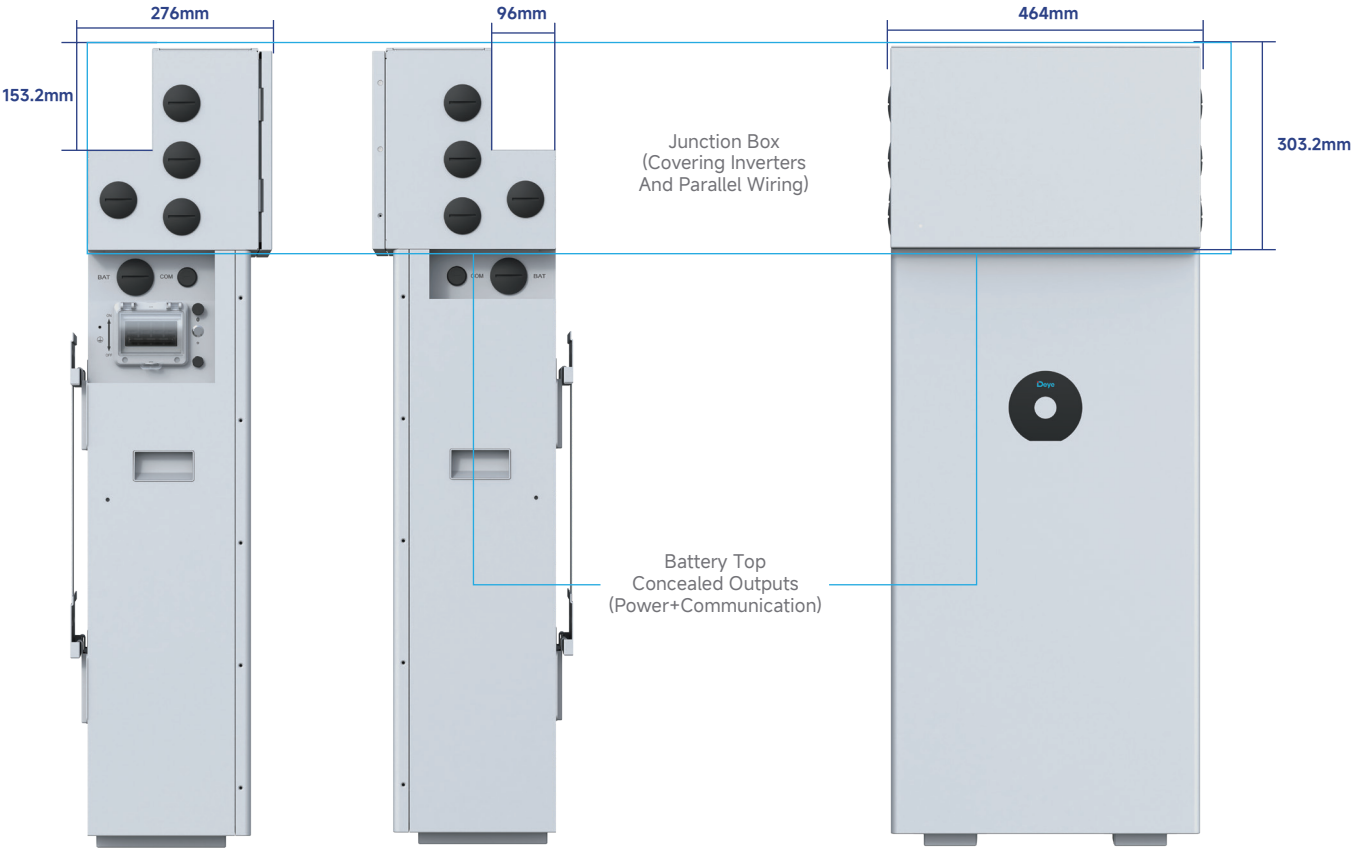
[1] Test conditions : 25°C±2°C/77°F ±35.6°F , at beginning of life, 0.5C charge & 0.5C discharge,100% DOD.

[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



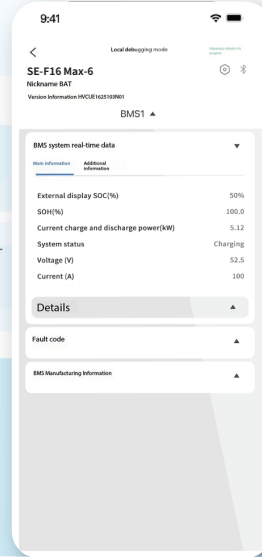
Low Power (Bluetooth LE)



Automated upgrade



Local monitoring mode for battery



Quick Pairing



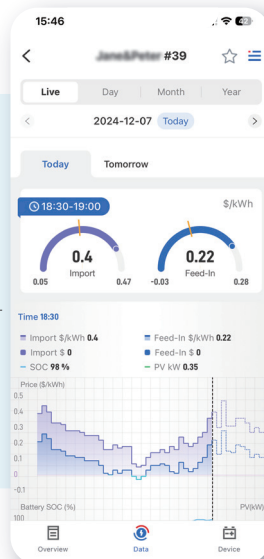
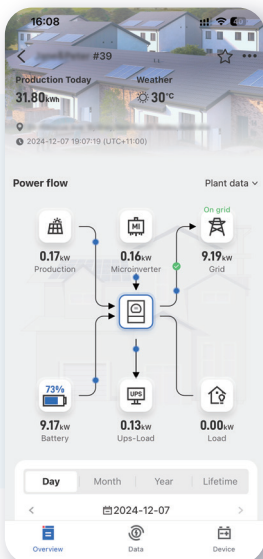
No Internet Needed



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