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°Fto 131°F.

Convenient & Smart

Battery module auto networking (No DIP switchs), 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. 10.2kW output power.
Integrated PACK design reduces line loss and increases energy density.

Wall-Mounted & Floor-Mounted

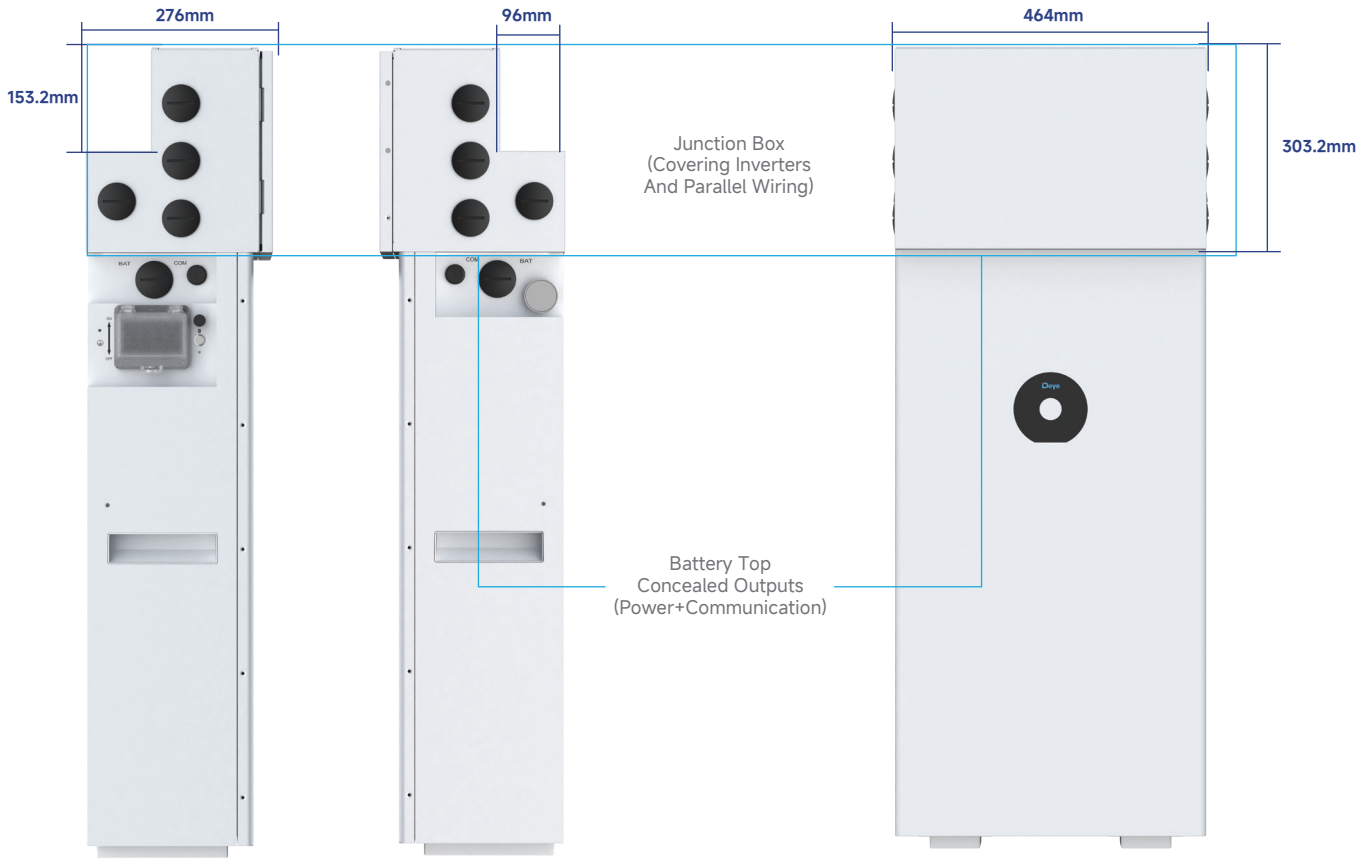
Flat design, support wall-mounted and Floor-mounted, saving installation space.

ESS SOLUTION

Model		SE-F16 Max-6
Main Parameters		
Battery Chemistry		$LiFePO_4$
Rated Capacity (Ah) [1]		314
Scalability [2]		Max. 32 pcs in parallel
Nominal Voltage (V)		51.2
Operating Voltage(V)		44.8 - 57.6
Nominal Energy (kWh)		16
Usable Energy (kWh)[1]		16
Max. Output Power (kW)		10.2
Charge Current(A) [3]	Recommend	157
	Max. Continuous	160
	Peak	280 (10 sec)
Discharge Current(A) [3]	Recommend	157
	Max. Continuous	200
	Peak	240 (10 sec)
Other Parameter		
Depth of Discharge [4]		100%
Dimension (W/H/D)(Without hanging board and terminals)		464*914*244.5 mm/18.3″x 36.0″ x 9.63″
Weight Approx.		120kg / 264.55lbs
Display		LCD(SOC, Alarm)
Ingress Protection Rating/Enclosure Rating		IP65/NEMA 3R
Operating Temperature		Charge: -20°C~55°C/-4°F~131°F(heating activated), Discharge: -20°C - +55°C/-4°F~131°F
Storage Temperature		0°C~35°C/32°F~95°F
Relative Humidity		95% (non-condensing)
Altitude		≤3000m/9843ft
Cycle Life [1]		≥8000(70%EOL)
Isolation Protection		Built-in Circuit Breaker
Installation		Wall-Mounted, Floor-Mounted
Communication		CAN2.0, RS485, Bluetooth
Certification		UN38.3, UL1973, UL9540A, UL9540-DC, FCC
Energy Throughput [5]		50 MWh
Warranty Period [5]		10 years

[1] Test conditions: 0.2C Charging & Discharging ,25±2°C/77°F±35.6°F.
[2] Max. 64 pcs can parallel with CAN-Bridge.
[3] The current is affected by temperature and SOC.
[4] Adjustable as required.
[5] Conditions apply, refer to Deye Warranty Letter.

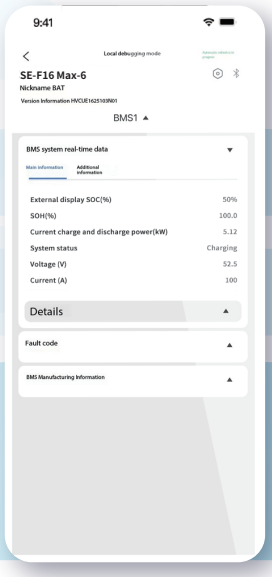
With Junction Box, 1000A (Optional)



Deye APP

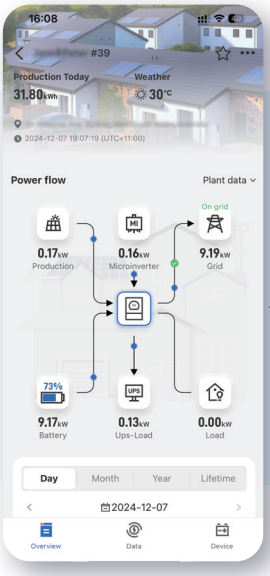
Local monitoring mode for battery

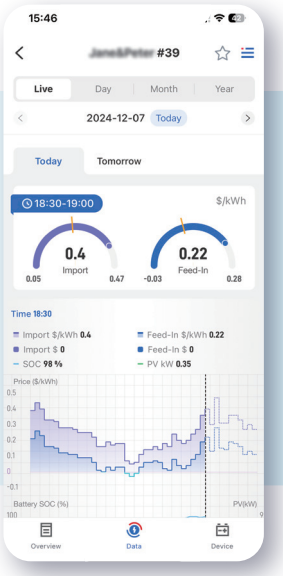
- Bluetooth APP Monitoring
- Low Power (Bluetooth LE)
- Automated upgrade



- 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