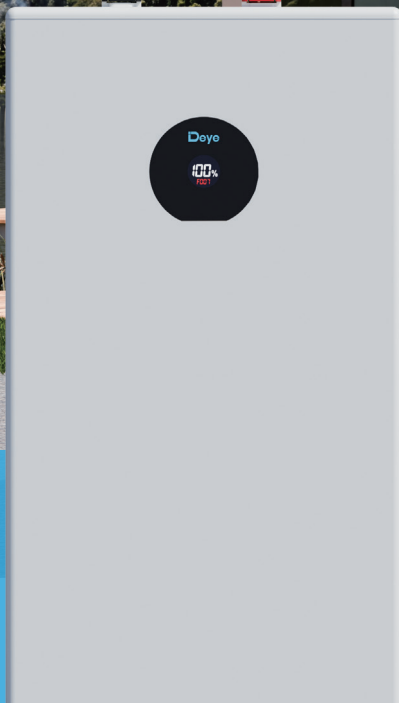


ESS Solution

SE-F16



• SE-F16

SE-F16



Comprehensive Protection

— Advanced BMS with active fuse



Superior Performance

— 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

		SE-F16
Battery Chemistry		LiFePO ₄
Capacity		314 Ah
Scalability ^[1]		Max. 32 pcs in parallel
Nominal Voltage		51.2 V
Operating Voltage		44.8 V ~ 57.6 V
Nominal Energy		16 kWh
Charge Current ^[2]	Recommend	157 A
	Max. Continuous	160 A
	Peak	280 A (10 sec)
Discharge Current ^[2]	Recommend	157 A
	Max. Continuous	230 A
	Peak	280 A (10 sec)

Other Parameter

Recommend Depth of Discharge	90% DoD
Dimension (W × H × D) (Without hanging board)mm	400 × 708 × 233
Weight Approximate	109 kg
LED Indicator	LED (SOC, working, protecting) & Buzzer
IP Rating of Enclosure	IP21
Operating Temperature	Charge: 0~55°C / Discharge: -20~55°C
Storage Temperature	0°C~35°C
Relative Humidity	95% (non-condensing)
Altitude	≤3000m
Cycle Life	≥6000(25°C±2°C ,70%EOL)
Installation	Wall-Mounted, Floor-Mounted, Stack-Mounted
Communication	CAN2.0, RS485, Bluetooth+APP
Warranty Period ^[3]	10 years
Energy Throughput ^[3]	50 MWh
Certification	UN38.3, MSDS, CE, CB

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

[2] Operating current is affected by temperature and SOC. This max. continuous current is only supported in lithium battery mode; for lead-acid mode, please refer to the manual for the max. continuous current.

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

Deye APP



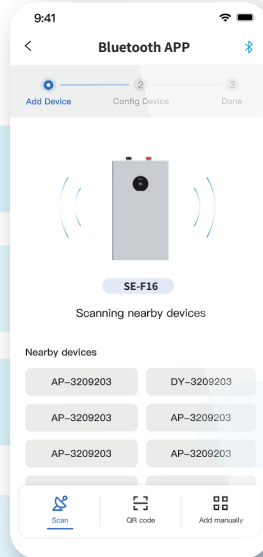
Bluetooth APP Monitoring



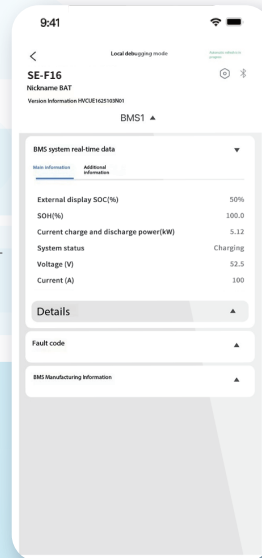
Low Power (Bluetooth LE)



Automated upgrade



Local monitoring mode for battery



Quick Pairing



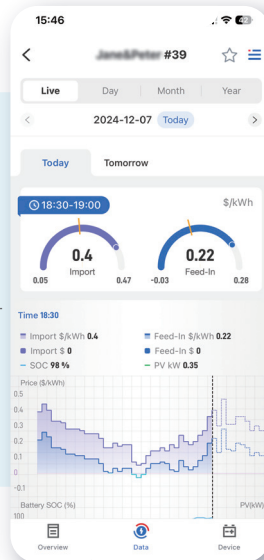
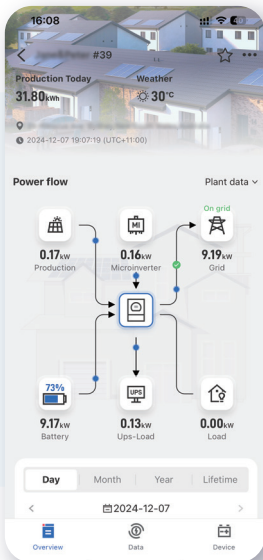
No Internet Needed



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



Deye ESS / Deye New Energy