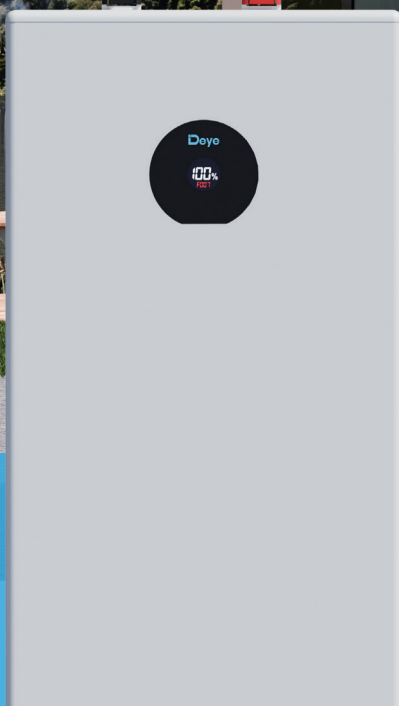


# ESS Solution

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  $-20^{\circ}\text{C}$  to  $55^{\circ}\text{C}$ , natural cooling

# ESS Solution



## Model

### Main Parameters

		SE-F16
Battery Chemistry		LiFePO <sub>4</sub>
Capacity		314 Ah
Scalability <sup>[1]</sup>		Max. 32 pcs in parallel
Nominal Voltage		51.2 V
Operating Voltage		44.8 V ~ 57.6 V
Nominal Energy		16 kWh
Charge Current <sup>[2]</sup>	Recommend	157 A
	Max. Continuous	160 A
	Peak	280 A ( 10 sec )
Discharge Current <sup>[2]</sup>	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 <sup>[3]</sup>	10 years
Energy Throughput <sup>[3]</sup>	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



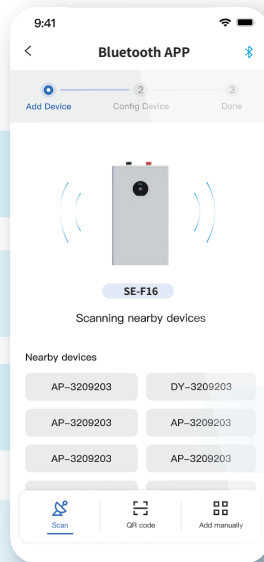
Bluetooth APP Monitoring



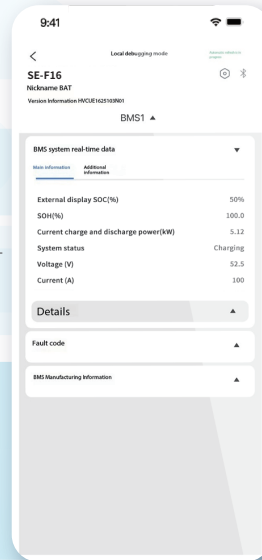
Low Power (Bluetooth LE)



Automated upgrade



Local monitoring mode for battery



Quick Pairing



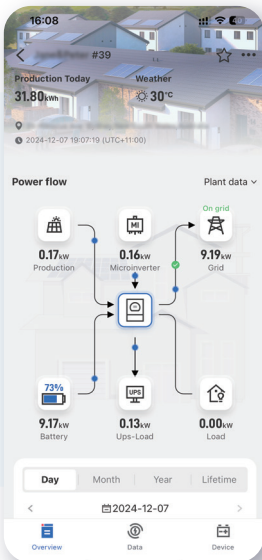
No Internet Needed



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



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





**POWERING YOUR LIFE**



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