

ESS Solution



• SE-F5 & SE-F5 Plus

• SE-F12

• SE-F16

Model	SE-F5	SE-F5 Plus	SE-F12	SE-F16
Main Parameters				
Battery Chemistry	LiFePO ₄			
Capacity	100 Ah		230 Ah	314 Ah
Scalability ^[1]	Max. 32 pcs in parallel			
Nominal Voltage	51.2 V			
Operating Voltage	44.8 V ~ 57.6 V			
Nominal Energy	5.12 kWh		11.8 kWh	16 kWh
Charge Current ^[2]	Max. Continuous	100 A	230 A	160 A
	Peak	120 A (10 sec)	280 A (10 sec)	
Discharge Current ^[2]	Max. Continuous	120 A	230 A	
	Peak	150 A (10 sec)	280 A (10 sec)	
Other Parameter				
Recommend Depth of Discharge	80% DoD		90% DoD	
Dimension (W × H × D) (Without hanging board)	370 × 548 × 140 mm		400 × 583 × 233 mm	400 × 708 × 233 mm
Weight Approximate	41 kg		82 kg	107 kg
LED Indicator	LED (SOC, working, protecting) & Buzzer			
IP Rating of Enclosure	IP21			
Operating Temperature	Charge: 0~55°C Discharge: -20°C~55°C	Charge: -10~55°C Discharge: -20°C~55°C	Charge: 0~55°C / Discharge: -20°C~55°C	
Storage Temperature	0~35°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]	5 years	10 years	5 years / 10 years (extended warranty)	
Energy Throughput ^[3]	8 MWh	16 MWh	18 MWh	25 MWh
Certification	UN38.3, MSDS			

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

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

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