

ESS Solution



Model

Main Parameters		SE-F12	SE-F12 Max	SE-F16	SE-F16 Max
Battery Chemistry		LiFePO ₄			
Capacity		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		11.8 kWh		16 kWh	
Charge Current ^[2]	Max. Continuous	230 A		160 A	
	Peak	280 A (10 sec)			
Discharge Current ^[2]	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 × 559 × 233	464 x 778 x 267	400 × 708 × 233	464 x 925 x 267
Weight Approximate		84 kg	≈95 kg	109 kg	≈123 kg
LED Indicator		LED (SOC, working, protecting) & Buzzer	LCD(SOC, Alarm), LED (Working)	LED (SOC, working, protecting) & Buzzer	LCD(SOC, Alarm), LED (Working)
IP Rating of Enclosure		IP21	IP65	IP21	IP65
Operating Temperature		Charge: 0~55°C (-20~55°C, 12 Max/16 Max with Optional heating)		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	CAN2.0, RS485, Optional module, (WiFi+Bluetooth+APP)	CAN2.0, RS485, Bluetooth+APP	CAN2.0, RS485, Optional module, (WiFi+Bluetooth+APP)
Warranty Period ^[3]		5 years / 10 years (extended warranty)	10 years	5 years / 10 years (extended warranty)	10 years
Energy Throughput ^[3]		18 MWh	37 MWh	25 MWh	50 MWh
Certification		UN38.3, CE, CB	UN38.3, CE, CB	UN38.3, CE, CB	UN38.3, CE, CB, UL1973, UL9540A, UL9540-DC, FCC

[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.