ESS Solution



Model		SE-F5	SE-F5 Plus	SE-F12	SE-F16
Main Parameters					
Battery Chemistry		$LiFePO_4$			
Capacity		100 Ah		235 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
Rated Power[2]		1.5 kW		3.5 kW	4.8 kW
Charge Current [3]	Recommend	30 A		70 A	95 A
	Max. Continuous	100 A		230 A	160 A
	Peak	120 A (10 sec)		280 A (10 sec)	
Discharge Current [3]	Recommend	30 A		70 A	95 A
	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 [4]		5 years	10 years	5 years / 10 years (extended warranty)	
Energy Throughput [4]		8 MWh	16 MWh	18 MWh	25 MWh
Certification		UN38.3, MSDS			

[1] Max. 64 pcs can parallel with CAN-Bridge.
[2]0.3C charge & discharge at 25°C
[3]The current is affected by temperature and SOC.
[4] Conditions apply, refer to Deye Warranty Letter.