

# ESS Solution



## Model

Main Parameters		SE-F12	SE-F12 Max	SE-F16	SE-F16 Max
Battery Chemistry		LiFePO <sub>4</sub>			
Capacity		230 Ah		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		11.8 kWh		16 kWh	
Charge Current <sup>[2]</sup>	Recommend	115 A		157 A	
	Max. Continuous	230 A		160 A	
	Peak	280 A ( 10 sec )			
Discharge Current <sup>[2]</sup>	Recommend	115 A		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 × 559 × 233	464 × 767 × 244.5	400 × 708 × 233	464 × 914 × 244.5
Weight Approximate	84 kg	93 kg	109 kg	118 kg
LED Indicator	LED ( SOC, working, protecting ) & Buzzer	LCD(SOC, Alarm)	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, Bluetooth+APP	CAN2.0, RS485, Bluetooth+APP	CAN2.0, RS485, Bluetooth+APP
Warranty Period <sup>[3]</sup>	10 years	10 years	10 years	10 years
Energy Throughput <sup>[3]</sup>	37 MWh	37 MWh	50 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-Bridge.

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

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