

RESIDENTIAL ESS SOLUTION



Model		SE-F5 Pro
Main Parameters		
Battery Chemistry		LiFePO ₄
Capacity		100 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
Useable Energy ^[2]		5.12kWh
Charge Current ^[3]	Recommend	50 A
	Max. Continuous	100 A
	Peak	150 A (120 sec)
Discharge Current ^[3]	Recommend	50 A
	Max. Continuous	100 A
	Peak	150 A (120 sec)
Other Parameter		
Recommend Depth of Discharge		90% DoD
Dimension (W × H × D) (Without hanging board)		404 × 547 × 141 mm
Weight Approximate		44 kg
LED Indicator		LED (SOC, working, protecting) & Buzzer
IP Rating of Enclosure		IP21
Operating Temperature		Charge: 0°C~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, Optional module, (WiFi+Bluetooth+APP)
Warranty Period ^[4]		10 years
Energy Throughput ^[4]		16 MWh
Certification		UN38.3, MSDS, CE, CB, VDE2510-50

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

[2]DC Usable Energy, test conditions: 100% DOD, 0.5C charge & discharge at 25°C. System usable energy may vary due to system configuration parameters.

[3] 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.

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