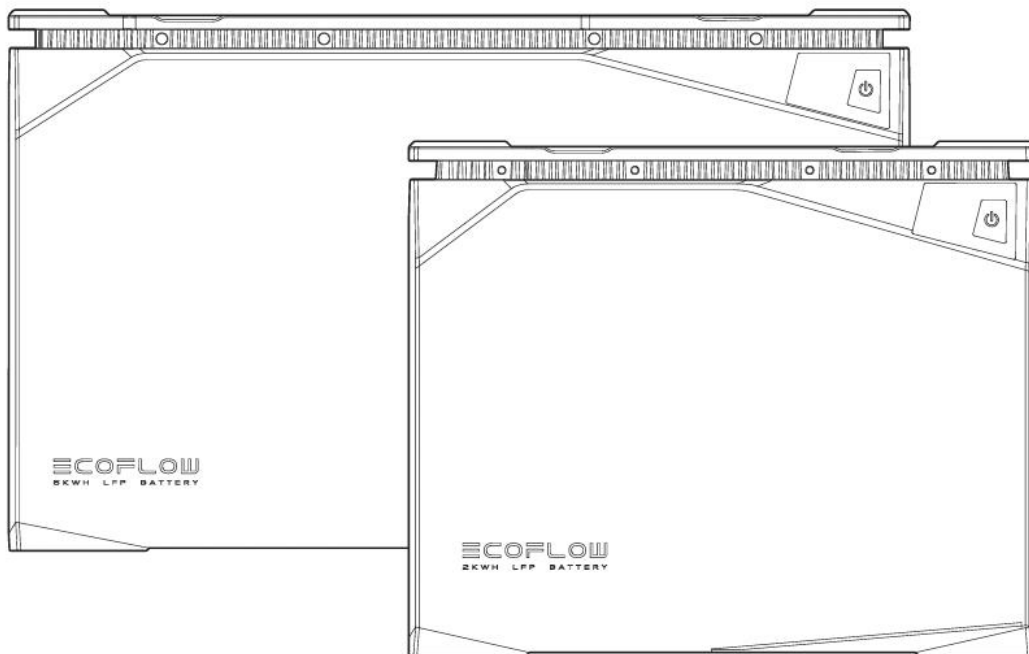


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LFP Battery

| Spec Sheet

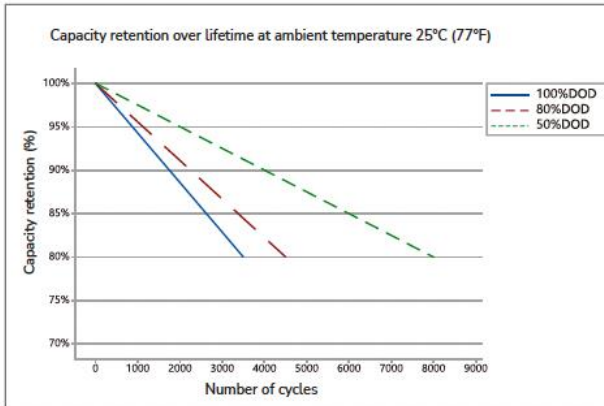


Battery Specifications

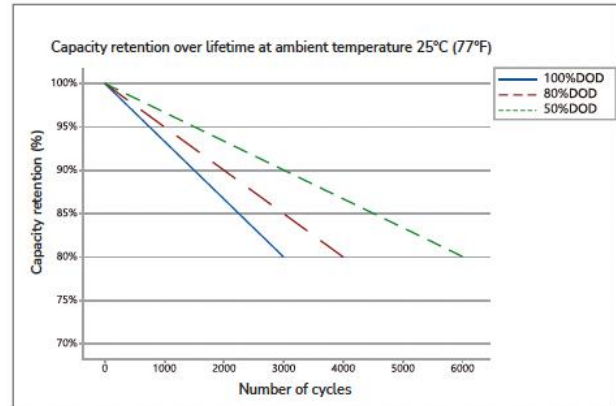
4.1 General Information

	5kWh LFP Battery	2kWh LFP Battery
Net weight	Approx. 89.5 lbs(40.6 kg)	Approx. 37.7 lbs(17.1 kg)
Dimensions	19.7 x 10.2 x 11.8 in 500 x 260 x 300 mm	13.7 x 7.8 x 11.2 in 348 x 198 x 285 mm
Nominal Capacity	5120Wh(100Ah)	2048Wh(40Ah)
Nominal Voltage	51.2V	51.2V
Configuration	16S1P	16S2P
Charging Cut-off Voltage	57.6V	57.6V
Discharging Cut-off Voltage	40V	40V
Max Continued Charging Current	80A	32A
Max Continued Discharge current	100A	80A
Battery Chemistry	LiFePO ₄	LiFePO ₄
Cycle life	3,500 cycles to 80% capacity	3,000 cycles to 80% capacity
IP Rating	IP54	IP54

4.2 Cycle Curve



5kWh LFP Battery



2kWh LFP Battery

*To obtain longer battery life, it is recommended to use partial charging and discharging, i.e. with a depth of discharge (DOD) of less than 80%. The DOD is the ratio of the amount of battery discharge to the rated capacity of the battery.

4.3 Operating Temperature

	5kWh LFP Battery	2kWh LFP Battery
Discharge Temperature Range	-20°C~50°C (-4°F~122°F)	-20°C~50°C (-4°F~122°F)
Charge Temperature Range	-20°C~50°C (-4°F~122°F) (auto-heating below 0°C (32°F))	-20°C~50°C (-4°F~122°F) (auto-heating below 0°C (32°F))
Humidity Range	Max. 90%RH	Max. 90%RH
Storage Temperature	-20°C~50°C (-4°F~122°F) (optimal 15°C~25°C (59°F~77°F))	-20°C~50°C (-4°F~122°F) (optimal 15°C~25°C (59°F~77°F))

*Whether this battery can be charged or discharged depends on actual temperature of the battery.

*This battery will activate auto-heating function when charging temperature falls below 0°C (32°F).

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