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Auto-energy Technology Co.,Ltd

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The battery cell specs:

Item	Basic parameters
Model	LFP55380S
Material of Anode/Cathode	LiFePO4/Graphite
Size	55(D)×380(L) (mm)
Weight	<1650g
Nominal capacity	50Ah
Nominal Voltage	3.2V
Internal resistance	≤2mΩ
Energy density	≥120Wh/kg@0.2CDC
Volumetric energy density	≥200WH/L@0.2CDC
Discharge cut-off voltage	2.0V
Charge voltage	3.65V
Standard charging	0.2C constant current charge to 3.65V, then constant voltage 3.65V charge till charge current decline to≤0.05C
Standard discharging	0.2C CC discharge to 2.0V.
Low temperature performance	0.2C capacity higher than 70% of nominal capacity under -20℃
High temperature performance	0.5C capacity higher than 98% of nominal capacity under 55℃

Standard charge/discharge cycle life	Cycle life of standard charge/discharge capacity after 2000 cycles greater than 80% of initial capacity.
Max .continual charge current	50A(1C)
Max. continual discharge current	150A(3C)
Max. Charge/discharge pulse current (10S)	1000A
Operating temperature	Charging: 10~45℃, Discharging: -20~55℃
Storage temperature	Less than 1 year: 0~25℃ Less than 3 months: -10~45℃

