

Datasheet dreifels Lithium Power Battery

10Ah / 3.2V LiFePO4 cell

1. Description		
1.1	Description	Rechargeable Lithium-ion Battery
1.2	Dimension	40.6 mm (d) ×138.8 mm (L)
1.3	Weight	Approx. 365±10 g
2. Specifications		
2.1	Nominal Capacity	10000 mAh
2.2	Minimum Capacity	9000 mAh
2.3	Charging Voltage	3.65 V
2.4	Typical Voltage	3.20 V
2.5	Cut-off Discharge Voltage	2.10 V
2.6	Charging Method	CC/CV (Constant Current/Constant Voltage)
2.7	Maximum Discharge Current (continuous)	100A
	Maximum Discharge Current (18s pulse)	120 A
2.8	Maximum Charge Current	30A
2.9	Cycle Life	Capacities at the 1000 th cycles >7200 mAh
2.10	Operation Temperature	
	Charge Temperature Range	0~45 C
	Discharge Temperature Range	-10~55 C
2.11	Energy Density	
	Gravimetric	80 Wh/kg
	Volumetric	170Wh/L
2.12	Power Density (100% SOC, 18s peak)	
	Gravimetric	700 W/kg
	Volumetric	1400 W/L
2.13	Initial Internal Impedance	< 6 mΩ