

Cell Battery specifications

Item	General Parameter		Remark
Rated Capacity	Typical	50Ah	Standard discharge (0.2C5A) after Standard charge
	Minimum	50Ah	
Nominal Voltage	3.2V		Mean Operation Voltage
Internal Impedance	≤0.65 mΩ		Internal resistance measured at AC 1KHZ after 50% charge The measure must uses the new batteries that within one week after shipment and cycles less than 5 times
Dimension	Thickness/厚度:Max 24.5mm		Initial Dimension
	Width/宽度: Max 140.5mm		
	Height/高度: Max 160.5mm		
Weight	1.15kg		APPROX
Standard charge	Constant Current 0.33C5A Constant Voltage 3.65V 0.02C5A cut-off		Charge time : Approx3.5h
Rapid Charge	Constant Current 1C5A Constant Voltage 3.65V 0.01C5A cut-off		Charge time : Approx1.5h@ ≥10°C
Standard discharge	Constant current 0.33C5A end voltage 2.5 V		16.5A
Maximum discharge current	Constant current: 2C5A end voltage: 2.5 V		<u>100A@ ≥0°C</u>
Volumetric specific energy	295 WH/L		APPROX
Gravimetric specific energy	139WH/KG		APPROX

Battery Pack specifications

Item	General Parameter		Remark
Combination method	16S2P		
Rated Capacity	Typical	100Ah	Standard discharge after Standard charge (package)
	Minimum	98Ah	
Factory Voltage	51V-53V(40-60%)		Mean Operation Voltage
Voltage at end of Discharge	40-44V		Discharge Cut-off Voltage
Charging Voltage	56-58V		
Internal Impedance	≤60mΩ		Internal resistance measured at AC 1KHZ after 50% charge The measure must uses the new batteries that within one week after shipment and cycles less than 5 times
Standard charge	Constant Current20A Constant Voltage see No.5 0.02CA cut-off		Charge time : Approx 6 h
Limiting current	20A		
Standard discharge	Constant current: 20A end voltage see NO.4		
Max Continuous Charge Curr	100A		≥10°C
Max Continuous Discharge C	100A		≥10°C
Operation Temperature Range	Charge (充电) : 0~45°C		60±25%R.H. Bare Cell
	Discharge (放电) : -20~55°C		
Storage Temperature Range	Less than 12 months : -10~35°C		60±25%R.H. at the shipment state
	less than 3 months: -10~45°C		
	Less than 7 day : -20~65°C		
Dimensions	680*485*180 (220)mm		Include Bracket
Weight	Approx : 70kg		

