

Li-polymer 3700mAh 11.1V Package specification 电池组规格

NO.	Items	Specifications
1	Combination method (组合方式)	3 S 1 P (三串一并)
2	Combination standard (配组标准)	Capacity difference(容量差) $\leq 3700\text{mAh}$
		Resistance difference (内阻差) $\leq 0.3\text{m}\Omega$
		Voltage difference(电压差) $\leq 10\text{mV}$
3	Nominal capacity 标称容量	3700mAh @ 0.5C Discharge(放电)
4	Minimum capacity 最小容量	3515mAh @ 0.5C Discharge(放电)
5	Nominal voltage 标称电压	11.1V
6	PACK Voltage(As of shipment) 电池电压(出货状态)	11.4~11.7V (cell 3.8~3.9V)
7	Internal Impedance(内阻)	$\leq 20\text{m}\Omega$
8	Max dimensions (最大尺寸)	26*43*140 mm (T*W*H)
9	Pack weight (电池重量)	310 g (APPROX)
10	Standard Charge 标准充电	1.0C CC (constant current) charge to 12.6V, then CV (constant voltage 12.6V) charge till charge current decline to $\leq 0.05\text{C}$ 1.0C CC (恒流) 充电至 12.6V, 再 CV (恒压 12.6V) 充电直至充电电流 $\leq 0.05\text{C}$
11	Rapid Charge 快速充电	Constant Current 2C, Constant Voltage 12.6V, 0.05C cut-off 持续电流: 2C 持续电压: 12.6V 截止电流: 0.05C
12	Charging time 充电时间	Standard Charging: 1.0 hours (Ref.) 标准充电: 1.0 小时 (参考值) Rapid charge: 0.5 hours (Ref.) 快速充电: 0.5 小时 (参考值)
13	Constant discharge current 持续放电电流	Constant current 35C end voltage 9.0V (持续电流: 35C 截止电压: 9.0V)
14	Peak discharge current 瞬间放电电流	Peak current 80C end voltage 9.0V (瞬间电流 80C 截止电压: 9.0V)
15	High Rate Discharge 倍率放电性能	$\geq 2.7\text{min}$ Standard Charge/rest 5min discharge at 20C to 9.0V (标准充电/休息 5 分钟用 20C 放电至 9.0V)
16	Operating temperature 工作温度	Charging: $0^{\circ}\text{C} \sim 40^{\circ}\text{C}$ 充电: $0^{\circ}\text{C} \sim 40^{\circ}\text{C}$ Discharging: $-20^{\circ}\text{C} \sim 60^{\circ}\text{C}$ 放电: $-20^{\circ}\text{C} \sim 60^{\circ}\text{C}$
17	Storage temperature 储存温度	$-10^{\circ}\text{C} \sim +45^{\circ}\text{C}$

 Package
(电池组)

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