



SGS

- MSDS
- UN38.3
- CE
- FCC

Features of Lithium-Polymer Battery

- **Longer Cycle Life:** Offers up to 20 times longer cycle life and five times longer float/calendar life than lead acid battery, helping to minimize replacement cost and reduce total cost of ownership.
- **Lighter Weight:** About 40% of the weight of a comparable lead acid battery. A 'drop in' replacement for lead acid batteries.
- **Higher Power:** Delivers twice power of lead acid battery, even high discharge rate, while maintaining high energy capacity.
- **Wider Temperature Range:** -20 C~60 C.
- **Superior Safety:** Lithium Polymer chemistry eliminates the risk of explosion or combustion due to high impact, overcharging or short circuit situation.
- **Increased Flexibility:** Modular design enables deployment with several batteries both in series and in parallel.

Physical Dimension

Part NO.	Nominal Voltage	Type Capacity	Rate(C)	Dimension (L*W*T)
43128	11.1V	5Ah	70C	137*44*29
42126	11.1V	7Ah	10C	135*44*33
64155	11.1V	8Ah	30C	170*65*25.5
70170	11.1V	10Ah	20C	180*72*26

Specification

Electrical Characteristics	Nominal Voltage	11.1V
	Nominal Capacity	5000mAh
	Energy	55.5Wh
	Internal Resistance	≤10mΩ
	Cycle Life	>100 cycles @Charge:0.5C,Discharge:70C 80%DOD
	Months Self Discharge	<3%
	Efficiency of Charge	100% @0.5C
	Efficiency of Discharge	96~99% @1.0C
Standard Charge	Charge Voltage	12.6±0.03V
	Charge Mode	0.5C to 12.6V, then 12.6V,charge current to 0.02C ₅ A (CC/CV)
	Charge Current	2.5A
	Max. Charge Current	2.0C ₅ A
	Charge Cut-off Voltage	12.6V
Standard Discharge	Continuous Current	10A
	Max.Discharge Current	70C ₅ A
	Discharge Cut-off Voltage	9.0V
Environmental	Charge Temperature	0℃ to 45℃ @60±25% Relative Humidity
	Discharge Temperature	-20℃ to 60℃ @60±25% Relative Humidity
	Storage Temperature	0℃ to 40℃ @60±25% Relative Humidity
	Water Dust Resistance	/
Mechanical	Dimensions (mm.)	L137.0±0.5*W44.0±0.5*T29.0±0.3mm
	Weight (g.)	Approx:382±3.0g

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