

R/C Li-Po Battery Specification

Model: **RD500**

7.4V 5000mAh/30C

Specifications



Item		(mm)	(inch)
Pack Dimension	Thickness	24.9 ± 0.2	0.98 ± 0.01
	Width	46.3 ± 0.5	1.81 ± 0.02
	Length	138.5 ± 0.5	5.45 ± 0.02
Weight	Gram	Approx. 263	
	Ounce	Approx. 10.4	

Nominal Capacity ⁽¹⁾		5000mAh
Nominal Voltage ⁽²⁾		7.4V
Impedance at 1kHz		Max. 8mΩ
Charge	Current	Max. 10A (2C)
	Voltage	Max. 8.5V
Discharge	Continuous Current	Max. 150.0A(30C)
	Burst Current	Max. 300.0A(60C)
	Voltage cut-off	6.0V
Cycle Life	1C/1C	200 cycle
	80% Retention	1C/50C
Self-discharge		<8% per month
Operating Temperature Range	Charge	0°C~45°C
	Discharge	-20°C~60°C
	Storage	-20°C~40°C

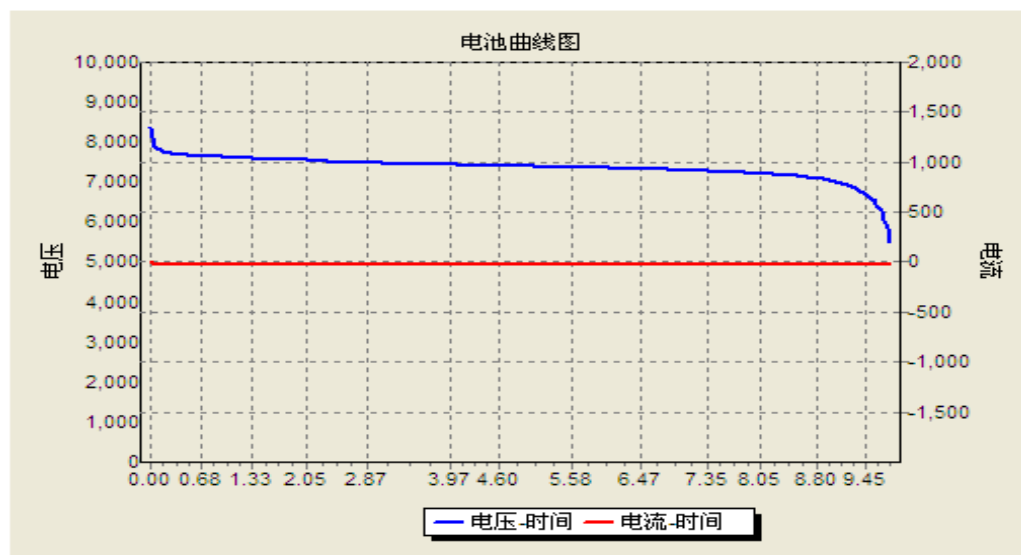
(1) Nominal capacity (average discharge capacity): discharge current 0.5C, end of voltage 6.0V, temperature 23 ± 2°C.

(2) Nominal voltage (average discharge voltage): discharge current 0.5C, end of voltage 6.0V, temperature 23 ± 2°C.

High Rate Discharge Curves

30A Discharge

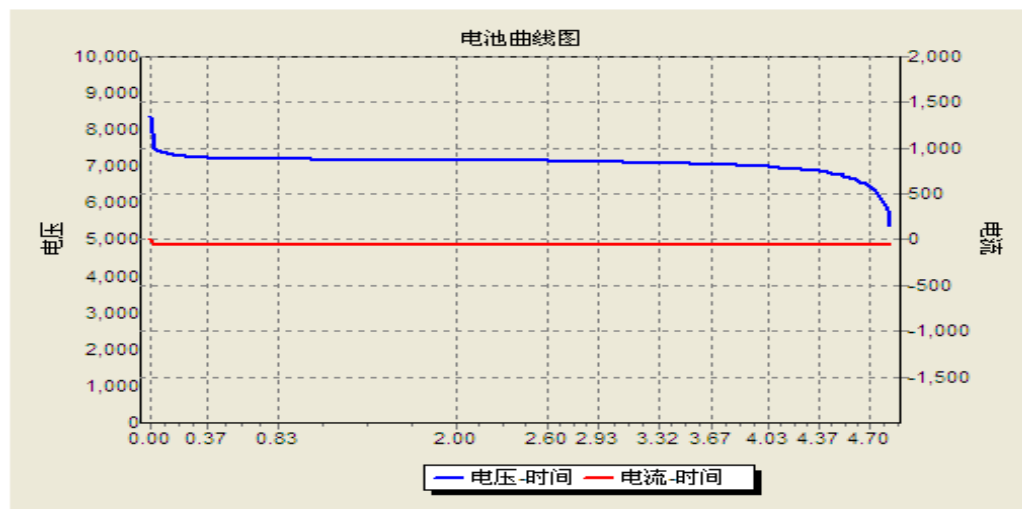
Step	Cycle	Situation	OPV	Cut-Off	Durration	ADV	Current	Capacity	Power
			mv	mv	min	mv	A	AH	WH
1	0	CC	8359	5904	9.77	7363.60	-30.04	4.89	36.01



High Rate Discharge Curves

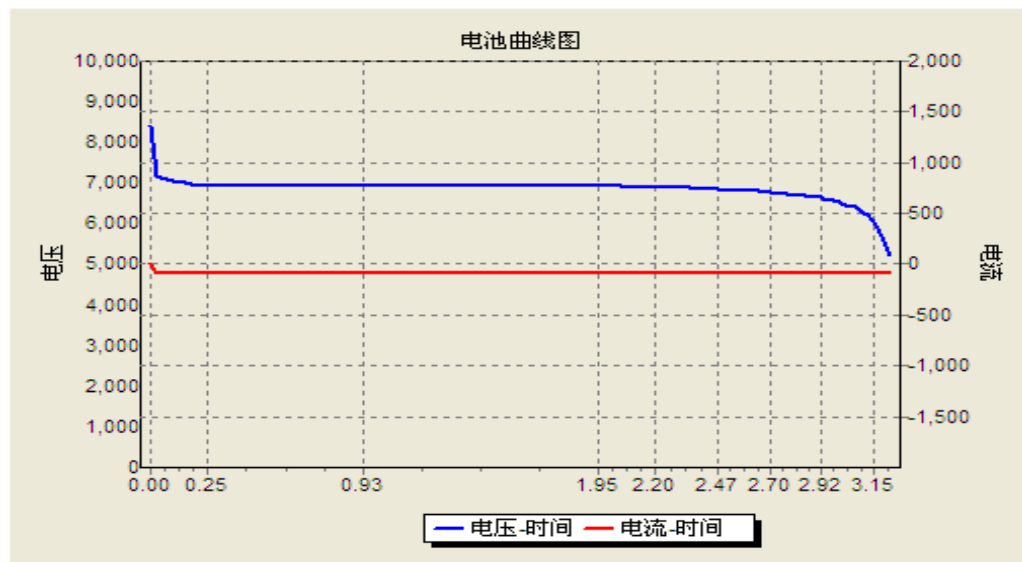
60A Discharge

Step	Cycle	Situation	OPV	Cut-Off	Durration	ADV	Current	Capacity	Power
			mv	mv	min	mv	A	AH	WH
1	0	CC	8386	5973	4.83	7091.94	-60.08	4.84	34.13



90A Discharge

Step	Cycle	Situation	OPV	Cut-Off	Durration	ADV	Current	Capacity	Power
			mv	mv	min	mv	A	AH	WH
1	0	CC	8396	5920	3.22	6851.55	-90.09	4.83	33.09



Memo: CC means Constant Current

ADV means Average Discharge Voltage

The information in this document is based on documents issued in February, 2011 at the latest.

The information is subject to change without notice. For actual design-in refer to the latest publication of data sheet, etc., the most up-date specifications of the device.