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LP852040 Specification	ZJQM-RD-SPC-A0101	0.0	2016-8-5	3/7

1. Scope

This product specification defines the requirements of the rechargeable polymer lithium-ion battery supplied to the customer by EEMB Co., Ltd.

2. Battery Cell Basic Characteristics

No.	Item	Characteristics	Remark	
2.1	Model	LP852040		
2.2	Capacity	Nominal	620 mAh	0.2C ₅ A
		Minimum	580 mAh	0.2C ₅ A
2.3	Nominal Voltage	3.7 V		
2.4	Weight	Approx.12.4 g		
2.5	Internal Impedance	≤ 110 mΩ	AC 1KHz(50% charge)	
2.6	Dimension	Length	≤ 41 mm	
		Width	≤ 20.5 mm	
		Thickness	≤ 8.8 mm	
2.7	Charge	Maximum Current	620 mA	1C ₅ A (CC&CV)
		Limited Voltage	4.200±0.020 V	
		End-of Current	12.4 mA	
2.8	Discharge	Maximum Current	1240 mA	2.0C ₅ A
		Cut-off Voltage	2.750±0.005 V	
2.9	Operation Temperature	Charge	0 ~ 45 °C	
		Discharge	-20 ~ +60 °C	
2.10	Storage Temperature	1 month	-20 ~ +60 °C	
		3 month	-20 ~ +45 °C	
		12 month	-20 ~ +25 °C	
2.11	Storage Relative Humidity	65±20 %		

3. Battery Cell Shape and Dimensions (Unit: mm)

Item	Specification
T	Max8.8
W	Max20.5
L	Max41
L1	Max42
L2	10±1
M	9±1
N	2±0.5

