5 Nominal Specifications

Item		Specifications	Notes
5.1 Rated Capacity	4.20V Charge	5335 mAh	1.087A discharge at 20°C
	4.10V Charge*1	4560 mAh	
5.2 Capacity (Minimum) *2	4.20V Charge	5435 mAh	1.087A discharge at 25°C
	4.10V Charge*1	4650 mAh	
5.3 Capacity (Typical)	4.20V Charge	5635 mAh	Reference only
	4.10V Charge*1	4845 mAh	
5.4 Nominal Voltage	4.20V Charge	3.6 V	1.087A discharge at 25°C
	4.10V Charge*1		
5.5 Discharging End Voltage		2.50 V	
5.6 Charging Current	Low temp.	1.359 A or less	0 ~ +10°C
	Std. temp.	2.718 A or less	+10 ~ +45°C
5.7 Charging Voltage	4.20V Charge	4.20 ± 0.03 V	
	4.10V Charge*1	4.10 ± 0.03 V	
5.8 Charging Time (Std.)		4.0 hours	
5.9 Continuous Discharge Current (Max.) *3,*4,*5		12.0 A	0 ~ +40°C
5.10 Internal Resistance		less than 30 mΩ	AC impedance 1 kHz
5.11 Weight		less than 75.5 g	
5.12 Operating Temperature	Charge	0 ~ +45°C	
	Discharge	-20 ~ +60°C	
	Storage	-20 ~ +50°C	
5.13 Storage Conditions (State of Shipment)	less than 1 month	-20 ~ +50°C	Recoverable Capacity: 80% *6
	less than 3 months	-20 ~ +40°C	
	less than 1 year	-20 ~ +20°C	

*1 Regarding Charging Voltage Control, please refer to Item 6 "Charging control for Life End" and Item 11 "Standard Charging Method".

*2 Capacity is measured by the discharge at 1.087A until end voltage of 2.50V after fully charged at 25°C as described in the specification.

*3 Discharge at high rate or high temperature environment will accelerate the degradation of the battery capacity. As a result, battery life will be shorten.

*4 The maximum discharge current is for a single cell use. However after the battery pack assembly , maximum discharge current will be limited by a protection circuit or device.

*5 Maximum cell surface temperature :The cell temperature must not exceed 70°C.

*6

$$Recoverable\ Capacity = \frac{Discharge\ Time\ after\ Storage}{Initial\ Discharge\ Time} * 100$$

The discharge time is measured by fully charging the battery at 25°C and then discharging it at a current of 1.087A to 2.50V per cell in series.