

# 9100 Battery



**Lithium Ion  
Battery**

Electrical Requirement	
System	Rechargeable Lithium-ion Battery
Rating voltage	3.70V
Charging voltage	4.20±0.05V
Capacity	2600 mAh
Battery internal resistance	≤ 180 mΩ
Overcharge detection voltage	4.325V±0.050V
Over discharge detection voltage	2.500V±0.100V
Over current detection	4.0±1.4V
Overcharge detection delay time	0.5-2.0S
Battery cycle life	400 cycles
Electro static test	±8 KV on air
NTC	10 KΩ +5@25 °C —B <sub>25/85</sub> =3500±3%

Cell Dimennsions (Refer to the attached drawing)	
Thickness:	11.40±0.3 mm (Measured with weighing 300 gf at 25±2°C)
Width	35.85±0.5 mm (Measured With weighing 300 gf at 25±2°C)
Length	54.0±1mm (not including tab length)
Weight	45.0±3.0g
Charging mode	
Standard charging mode I (constant) = 520 mA	V (constant) = 4.20V (Environmental temperature range : 0-45°C)
Fast charging mode I (constant) = 2600 mA	V(constant) = 4.20 (Environmental temperature range : 10-45°C)
Discharging Current	
Standard discharging current	520 mA
Fast discharging current	2600 mA
Environmental Temperature	
Charging temperature	0-45°C
Discharging temperature	10°C ~50°C
Storage	Within 3 months (Temperature: -20 to 45°C, Relative huidity: 45 ~75%, Atmosphere pressure 70 ~106 Kpa); Above 3 months (Temperature: 5 to 35° C, Relative humidity: 45~75%, Atmosphere pressure : 70 ~106 Kpa)

**Drawing**

