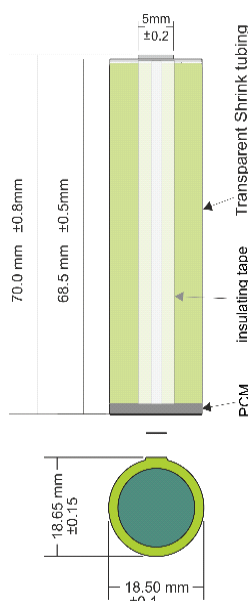


for Reference Only.



#### Safety Parameter PCM

Overcharge detection voltage:	4.40 ±25mV
Overcharge release voltage:	4.20 ±50mV
Over discharge detection voltage:	2.80 ±50mV
Over discharge release voltage:	3.00 ±50mV
Overcurrent detection:	6A ±1A
Continuous Discharge Current	3A Max.

#### Pack Specifications

Nominal Voltage	3.78 V
Capacity (Nominal)	2950 mAh (3000 mAh Max.)
Weight Battery Including cable and connector	49 ±3 Grams
Energy	11.34 Wh Max.
Size (Diameter x H) mm	18.65 ±0.55 x 70.0 ±0.8mm

#### Operating Specifications

Operating Voltage	4.35 V to 3.00 V
Charge Voltage	(Max. 4.350 V )
Discharge End Volt.	3.0V
Operating Temperature: Discharge Charge	-20°C to 50°C 0°C to 45°C
Max Discharge Current	3 A (Continuous) 6.0 A ±1A (Peak)
Max Charge Current	1C (Continuous)

#### Storage Specifications

Storage Temperature	1 year : -20~25°C(1*)
Relative humidity (45-75%)	
Lithium- Battery Pack ( <b>SAMSUNG inside</b> ) with a protection electronics (PCM), Protects against overcharge, deep discharge and short circuit.	

Note (1): If the cell is kept as ex-factory status (50% of charge), the capacity recovery rate is more than 80%.

#### Standard charging method

0.5C CC ( constant current ) charge to 4.35V, then CV (constant voltage 4.35V) charge till charge current decline to ≤ 0.02C

#### Transportation

During transport, do not subject the cell(s) or the box (es) to violent shaking, bumps, rain and direct sunlight. Keep the cell(s) at a half-charged state.

#### Care and safety recommendations:

Never open, short circuit or put in fire. Do not install backwards. Avoid short circuit with metal objects.

#### ATTENTION:

Improper handling may result in fire, personal injury or product failure due to leakage or Explosion. Use only the charger specified for this battery type. Improper use will reduce considerably the battery life. Please pay attention to following recommendations:

1. Always avoid Deep discharge of the battery
2. Charge the battery before longer Storage.
3. Use only the battery charger specified for this battery type.
4. Do not leave battery in charger over 24 hours.
5. Keep it in a cool and dry place.
6. Avoid exposure to high temperatures.
7. Do not disassemble or modify the battery, may cause the battery to generate heat, explode or ignite.
8. Dispose properly used batteries. Contact your city recycling coordinator. Thank you.

#### Lithium rechargeable battery.

**CAUTION:** Battery must be charged in appropriate charger only.  
Charging: -0 to 45°C, discharging: -20 to 50°C  
Check battery polarity and install correctly.  
Do not dispose of in fire, put in backwards or short circuit,  
otherwise battery may explode or leak causing personal injury.



#### Lithium wiederaufladbare Batterie.

**Warnung:** Batterien nicht kurzschließen, öffnen, verlöten oder ins Feuer werfen. Polarität beachten. Nicht zusammen mit Batterien eines anderen Systems verwenden. Nur mit geeignetem Ladegerät laden, ansonsten kann die Batterie explodieren oder auslaufen und Verletzungen verursachen. Verbrauchte Batterien bitte bei den dafür vorgesehenen Sammelstellen abgeben. Danke.

