

Model No.: GP843042L105

Type : Rechargeable Lithium Ion Prismatic Cell

Nominal Dimension (without label/sleeve) : Width = max. 30.0 mm
 Height = max. 42.0 mm
 Thickness (shipment) = 8.8 mm *
 Thickness (after 300th cycle) = 9.2 mm

Applications : Recommended discharge current
 210 to 2100 mA

Nominal Voltage : 3.7 V

Capacity : Typical: 1050 mAh
 Minimum: 1020 mAh
 When discharged at 525 mA to 2.8 V at 20 °C

Charging Condition : 840 mA to 4.2 V for 2.5 hrs at 20 °C

Recommended Charging Condition in Applications : 840 mA to 1050 mA (0.8 to 1C)
 Charge termination control recommended control parameters:
 Taper current 0.05C at 4.2 V

Clamped Charging Voltage : 4.2 V +/- 0.05 V

Service Life : 300 cycles (80% of typical capacity)

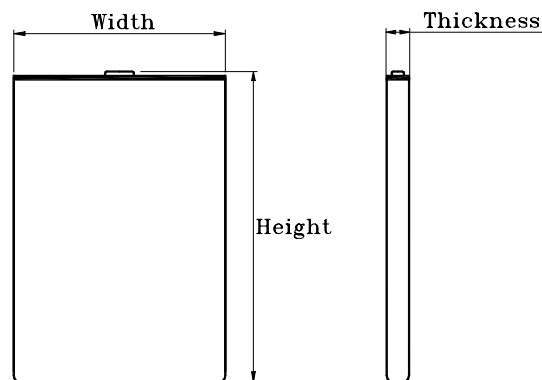
Weight : Approx. 23 g

Internal Resistance : 70 mΩ max. at 1000 Hz

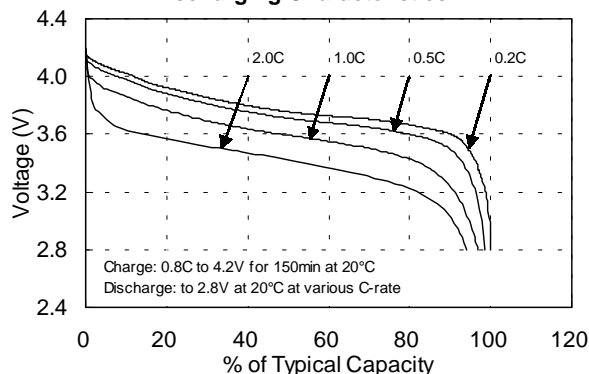
Ambient Temperature Range : Charging : 0 to 45 °C
 Discharging : -30 to 60 °C **
 Storage (1 month) : -20 to 45 °C
 Storage (6 months) : -20 to 40 °C
 Storage (1 year) : -20 to 35 °C

Note : * The "Thickness (shipment)" is the maximum value without label/sleeve of the standard charging condition (30% state of charge).

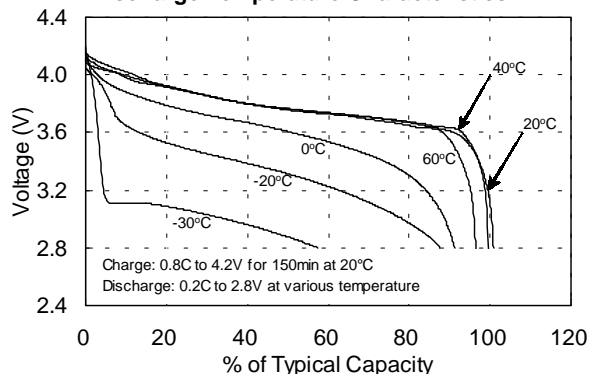
Precaution : ** 60 °C is only applied during 1C or lower discharging current



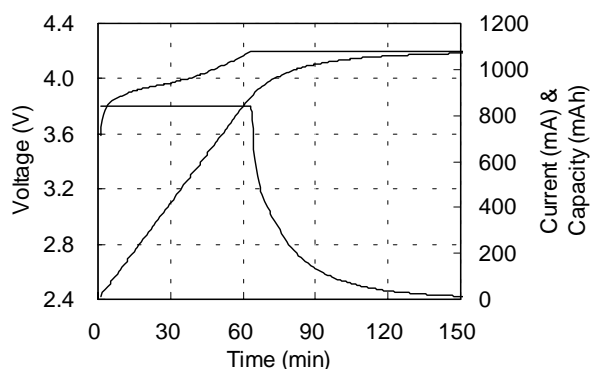
Discharging Characteristics



Discharge Temperature Characteristics



Charging Characteristics



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For detail information, please refer to the relevant product specification.

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