

1. Data Sheet¹

Model Number: HCG-8043125SP

2. Dimensions [mm]

| | |
|--------------------------|---|
| ▶ Thickness (T) | Max. 8.2(delivery status) Max. 8.9 (after cycling) |
| ▶ Width (W) | Max. 43.5 |
| ▶ Length (L) | Max. 126.0(without tabs) |
| ▶ Tab Distance (B) | 28.0±2.0 |
| ▶ Tab Length (A) | 4.0±0.5 |
| ▶ Tab Width (C) | 16.0±0.2 |
| ▶ Top Sealing Width (D) | 3.0 |
| ▶ Tab Sealant Height (E) | 1.5mm for Ref. |
| ▶ Weight Approx. [g] | 109.0g |

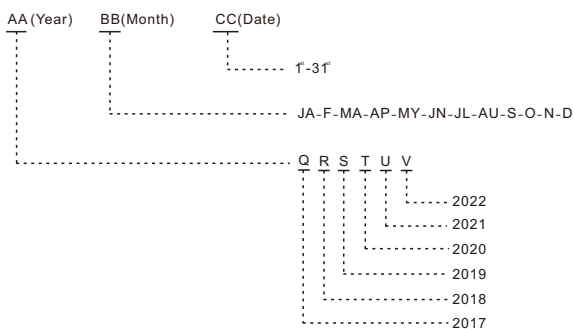
3. Electrical Parameter

| | |
|--|---|
| ▶ Nominal Voltage [V] | 3.7 (average) |
| ▶ Typical Capacity [mAh] | 4120 (0.2C at 20°C) |
| ▶ Min. Capacity C [mAh] | 4100(0.2C at 20°C) |
| ▶ Impedance Initial [mΩ] | <3 @ 1kHz at 4.2V |
| ▶ Max.Continuous Charge Current [mA] | 0.5C (Standard 0.2C) |
| ▶ Max Peak Charge Current[mA] | 1.0C (Standard 0.2C) |
| ▶ Max. Charge Voltage [V] | 4.20 |
| ▶ Max. Continuous Discharge Current [mA] | 25.0C (Standard 0.2C) |
| ▶ Max Peak Discharge Current[mA] | 50.0C,1s (Standard 0.2C) |
| ▶ Discharge Cut off [V] | 3.0 |
| ▶ Life Expectancy 0.5C / 0.5C | >80% of capacity after 500 cycles @0.2C, 25°C |
| ▶ Operating Temperature [°C] | Charge: 0 to 45 Discharge: -20 to 60 |
| ▶ Storage Temperature | 6 months at -10 to +35°C |

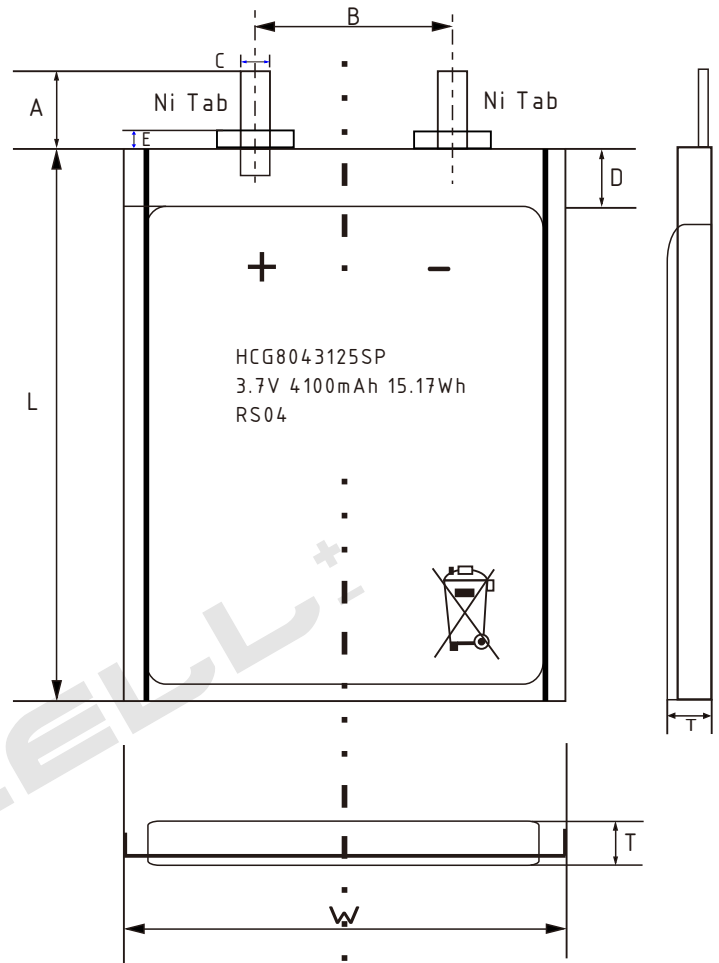
4. Delivery Status

| | |
|-----------------|------------|
| ▶ Cell Voltage | 3.7V-3.99V |
| ▶ Cell Capacity | 50%-75% |

5. Date Code Nomenclature



6. Mechanical Drawing (Not in Scale)



7. Safety Approvals

▶ Compliant with RoHS, CE, FCC, UN38.3, REACH,KC,PSE
IEC62133(TUV-CB), UL1642/2054 & GB31241-2014

8. Model Nomenclature



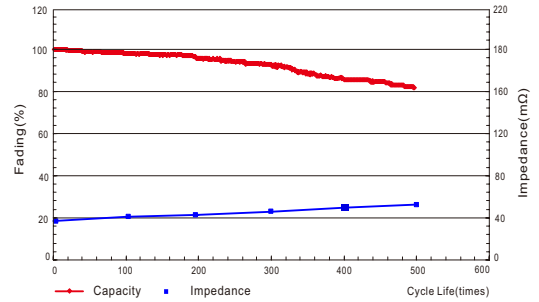
¹ Prior to read Honcell "Handling Precautions and Guidelines for Lithium-ion Polymer Rechargeable Batteries" subject to change without prior notice!

9. Curves

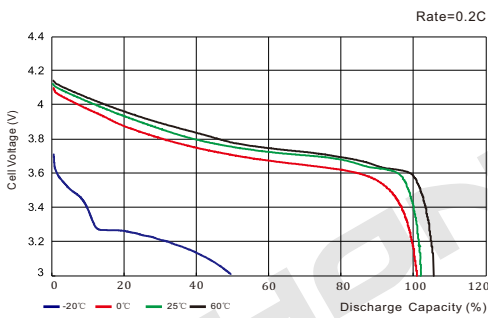
Charge & Discharge (25°C)



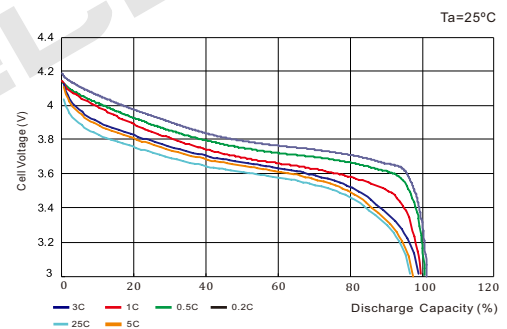
Cycle Life



Discharge Characteristics (Temperature)



Discharge Characteristics (Rate)



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