

**1. Data Sheet<sup>1</sup>**

Model Number: HCP-405055

**2. Dimensions [mm]**

|                          |   |
|--------------------------|---|
| ▶ Thickness (T)          | Max. 4.0(delivery status)<br>Max. 4.3 (after cycling) |
| ▶ Width (W)              | Max. 50.5   |
| ▶ Length (L)             | Max. 55.5(without tabs)                               |
| ▶ Tab Distance (B)       | 30.0±2.0  |
| ▶ Tab Length (A)         | 4.0±0.5   |
| ▶ Tab Width (C)          | 3.0±0.2   |
| ▶ Top Sealing Width (D)  | 3.0   |
| ▶ Tab Sealant Height (E) | 1.5mm for Ref.  |
| ▶ Weight Approx. [g]     | 22.4g   |

**3. Electrical Parameter**

|  |   |
|--|---|
| ▶ Nominal Voltage [V]                    | 3.7 (average)                                 |
| ▶ Typical Capacity [mAh]                 | 1620 (0.2C at 20°C)                           |
| ▶ Min. Capacity C [mAh]                  | 1600(0.2C at 20°C)                            |
| ▶ Impedance Initial [mΩ]                 | <60 @ 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] | 1.0C (Standard 0.2C)                          |
| ▶ Max Peak Discharge Current[mA]         | 2.0C,2-3ms (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<br>Discharge: -20 to 60       |
| ▶ Storage Temperature                    | 6 months at -10 to +35°C                      |

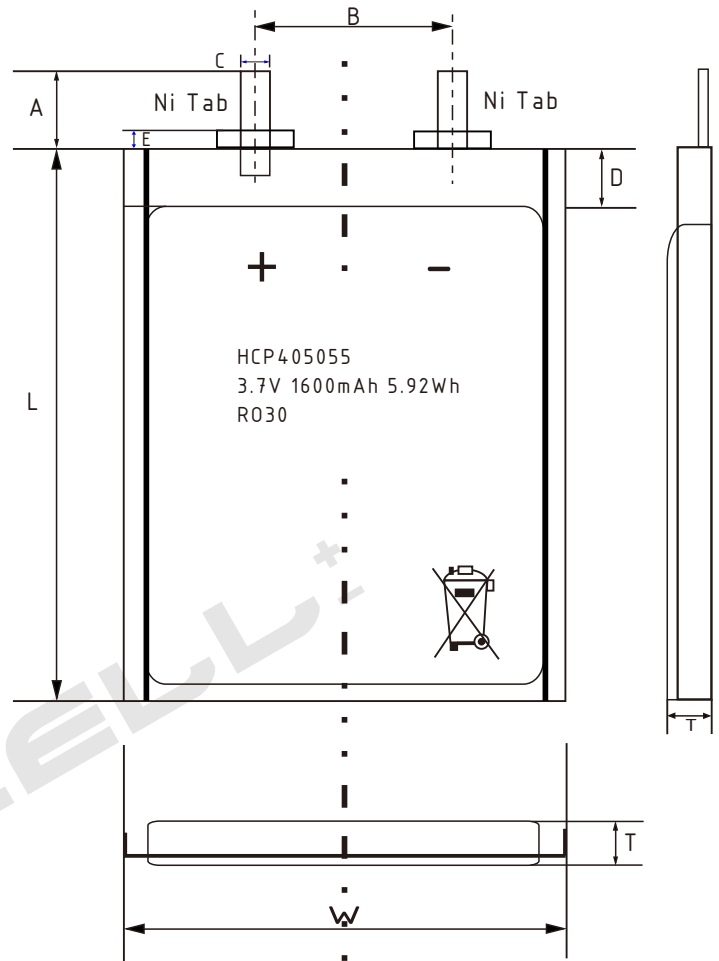
**4. Delivery Status**

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

**5. Date Code Nomenclature**



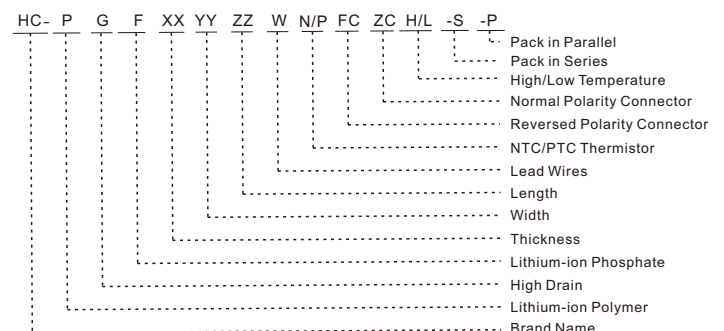
**6. Mechanical Drawing (Not in Scale)**



**7. Safety Approvals**

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

**8. Model Nomenclature**



<sup>1</sup> 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)



\*\*\*Technical information and contents in this data sheet are for reference purpose only. They do not constitute any warranty or representation and are subject to change without prior notice. For most current information and further details, please contact us.\*\*\*

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