#### **SPECIFICATIONS**

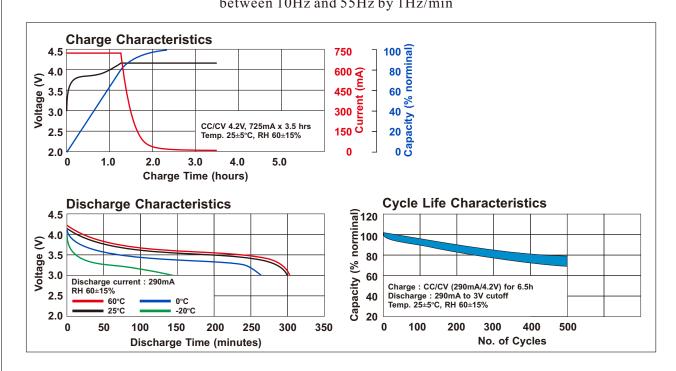
Charging : Using dedicated CC/CV (4.20+/-0.03V) battery charger only		
Charging with CC (Constant Current) to 4.20V, then charge with CV (Constant Voltage) till charge current <14.5mA Max. 725mA x 3.5 hours (Ref.)		
Discharging : Max. 725mA continuous at 25°C (Conditions apply) Max. 1450mA pulse at 25°C (Conditions apply)		
Temperature Environment: Charge $0^{\circ}C$ to $45^{\circ}C$ Discharge $-20^{\circ}C$ to $60^{\circ}C$ Storage $-20^{\circ}C$ to $20^{\circ}C$ (1 year) $-20^{\circ}C$ to $45^{\circ}C$ (3 months) $-20^{\circ}C$ to $60^{\circ}C$ (1 month) $10^{\circ}C$ to $25^{\circ}C$ (Recommended)		
Warranty: Limited warranty is provide against defects of poor workmanship for 12 months from date of shipment. Problem caused by misuse, mishandling, malfunction of equipment, or mix-use of cell is not	for 12 months from date of shipment. Problem caused by misuse,	
Long Term Storage : Long term storage may cause loss of capacity.		
PCM Specification (for reference only): Over current detection current Over charging protection Over discharging protection 		
Appearance : No scratch, rust, discoloration, leakage which may adversely affe	ct	
Standard Test Conditioncommercial value of the cell: Unless otherwise specified, all test are conducted at temperature 25+/-5°C and relative humidity 60+/-15% The ammeter and voltmeter with accuracy grade 0.5 or higher The slide caliper with scale 0.01mm The impedance meter with AC 1kHz measurement	25+/-5°C and relative humidity 60+/-15% The ammeter and voltmeter with accuracy grade 0.5 or higher The slide caliper with scale 0.01mm	
Standard Charge : Charge at 290mA constant current until 4.20V. Then charge at constant voltage of 4.2V with taper charge current. Ref. charging time is 6.5 hours	constant voltage of 4.2V with taper charge current. Ref. charging	
Standard Discharge : Discharge with current 290mA to 3V within 1 hour after standard charge	Discharge with current 290mA to 3V within 1 hour after standard	

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Internal Impedance	: Measured at AC 1kHz within 1 hour after standard charge Initial internal impedance $\leq 70 \text{m}\Omega$ (per bare cell)
Cycle Life	: After 100 standard charge/discharge cycles plus 1 day Capacity >= 1160mAh
Capacity Retention	: Discharge measured after storage for 28 days after standard charge Initial capacity retention >= 1232.5mAh
Maintenance Charging	: Maintenance charging required for storage over 6 months or when battery open circuit voltage below 3.8V. Prolonged storage without maintenance may result is battery gassing and loss of performance.
Remarks :	: Charging voltage shall be less than 4.2V/cell. It must never exceed 4.25V/cell.
Ex-Factory Condition	: As per air shipment regulations, the battery must be shipped at a State of Charge (SoC) $\leq 30\%$ . The OCV at this SoC $\geq 3.6V$ . We recommend customer to arrange supplementary charging of the battery after receiving the batteries.
Drop Test	: No fire, no explosion for dropping onto 18-20mm think oak-board from 1.0m height at a random direction 6 times
Vibration Test	: No fire, no explosion for vibrating along 2 mutually perpendicular axes with total excursion of 1.8mm and with frequency cycling between 10Hz and 55Hz by 1Hz/min



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#### **SPECIFICATIONS**

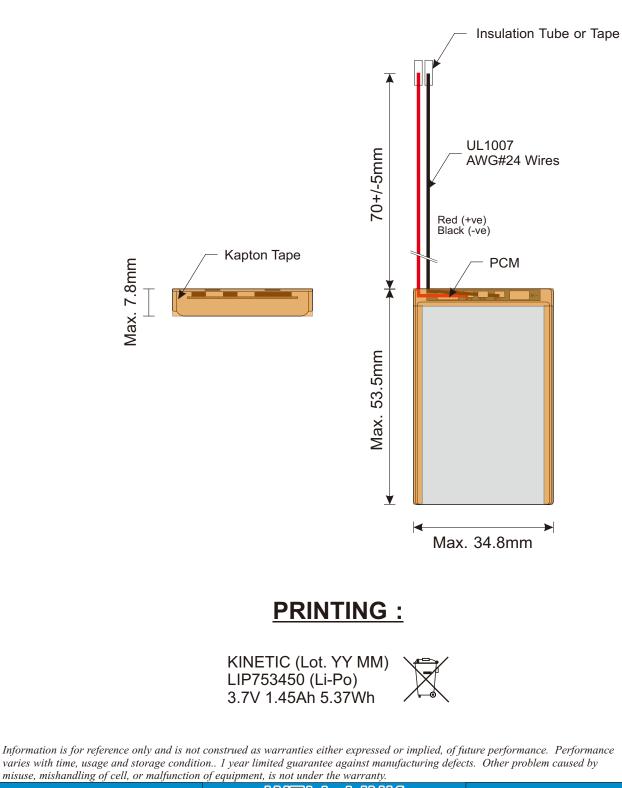
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Customer of lithium ion polyr performance and safety.	ner battery should employ appropriate cautions in order to obtain optimum	
Charging	: Charging current should less than the maximum charging current specified in the specification	
	Charging voltage must up to the voltage specified in the specification Do not charge battery over the specified time in the specification Charging temperature should be within the specified range in the specification	
	Reverse charging should be strictly prohibited Improper charging may generate heat, smoke, rupture or flame, and cause damage to the battery	
Discharging	<ul> <li>Discharging current should be less than the maximum discharging current specified in the specification</li> <li>Discharging temperature should be within the specified range in the specification</li> <li>Do not over discharge the battery below 2.0V/cell</li> <li>Over discharge may occur by self-discharge if the battery is left for a very long time without any use</li> <li>Improper discharge may cause loss of performance</li> </ul>	
Storage	<ul> <li>Storage temperature should be within the specified range in the specification</li> <li>Storage is recommended in low humidity, nop corrosive gas atmosphere Long term storage may cause loss of capacity</li> </ul>	
Cycle Life	: Cycle life differs by conditions of charging, discharging, operating temperature and/or storage condition Level of capacity differs by cycles of battery used	
Product Design	<ul> <li>Do not solder directly on bare cell Battery should be positioned far from heat source and heat components Appropriate shock absorber should be equipped to minimize shock on the battery</li> <li>Protection circuit against overcharge, over discharge, over current should be equipped to insure safety in case of misuse</li> <li>Battery should be designed to connect only to specified charger and system</li> <li>Reverse connection of battery should be avoided in system design Improper product and system design may cause loss of battery performance</li> </ul>	
Product Assembly	<ul> <li>Battery cell should be inspected visually before product assembly to avoid usage of damaged cell (for example, sleeve damage, battery distortion, or leaking)</li> <li>Excessive force on the battery terminals and battery surface should be avoided</li> <li>Precaution should be taken when battery is moved / transported to other place</li> <li>Do not disassembly, short-cutcuit, incinerate, immersion in water, and mix use of battery</li> <li>Battery should be disposed in discharged state</li> <li>Improper handling may cause loss of battery performance</li> </ul>	
Warning	: The battery may present risk of fire and chemical burn if mistreated. Keep away battery from children.	
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Model: LIP753450	WELL LINK H30/1PA2	

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#### **PRODUCT DRAWING**



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