

## Li-ion Battery Pack

### LPI-1100MAHICP553450P-1S1P : 3.7V 1100mAh, Li-ion Battery Pack (with Protection Circuit)

#### Technical Parameters of Li-ion Pack:

Nominal Voltage	(Battery Pack)	3.7V	
Nominal Capacity	(Battery Pack)	1100mAh	Typical
No of Cell		1 Cell	ICP553450P
Individual Cell Capacity		3.7V 1100mAh	ICP553450P
Internal Resistance	(Battery Pack)	≤ 65mΩ	
Discharge End Voltage		2.3V	
Charge Upper Limit Volt		4.2V	± 60mV
Charge Current	Standard	0.5C A	
	Fast	1.0C A	
Discharge Current	Standard	0.5C A	
	Fast (Max Continuous)	1.0C A	
	Max Current (Peak)	2.0C A	
Life Cycle	Refer Technical Specs Sheet For ICP553450P		
Operation Temperature	Charge	0 ~ 45 °C	
	Discharge	- 20 ~ 60 °C	
Storage Temperature	With in month	- 20 ~ 60 °C	
	With three months	-20 ~ 45 °C	

#### Protection Circuit Function:

Features	Overcharge, Over discharge, Short circuit.
Over-charge Protection Voltage	4.2V
Over-discharge Protection Voltage	2.3V
Short Circuit Protection	3500mA, for short duration (1sec),

#### Testing Condition:

Standard Charge	Constant current and constant voltage (CC/CV) Constant Current : 550mA Upper limit Voltage: 4.2V
Standard Discharge	Constant voltage discharge (CC) Constant current: 550mA End voltage: 2.3V

**Mechanical Specification:**

Dimension (max) inclusive Sleeve	Thickness(T)	7.0mm	±0.1mm
	Width (W)	36.0mm	±0.1mm
	Height (H)	56.0mm	±0.1mm
Weight	Gram (g)	40g	±1g
Wire Diameter	24 AWG		
Wire Length	50 - 150mm as per requirement,		Color: Black & Red
Connector	5264- 2F (Female connector)		

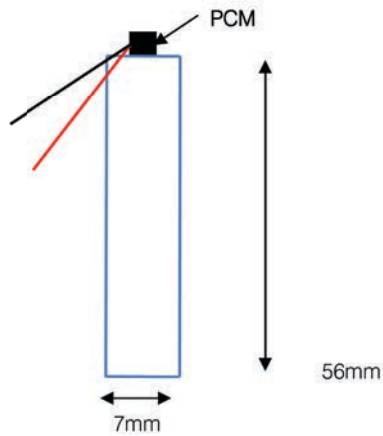
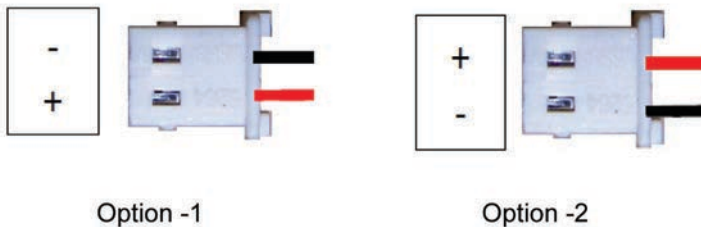


Fig A: 1S1P Pack

**Connector Polarity of 5264-2P (Female with wire):**



Option -1

Option -2

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## Handling Battery Packs: Instruction and Safety:

1. Never disassemble the battery pack and cell. If the cell is disassembled gas will be generated which may cause throat irritation.
  2. Do not externally short-circuit the battery pack. This will cause overheating and it may also get explode.
  3. Do not throw the battery pack into fire
  4. Do not throw the battery pack into water. The protection circuit may get damaged and will not operate safely while charging and discharging.
  5. Do not use the battery pack in other device. Differences in specification may damage the battery
  6. pack or device.
  7. Do not deform the battery pack by applying pressure etc. It may be broken, causing leakage, internal short-circuit, overheating, explosion etc.
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