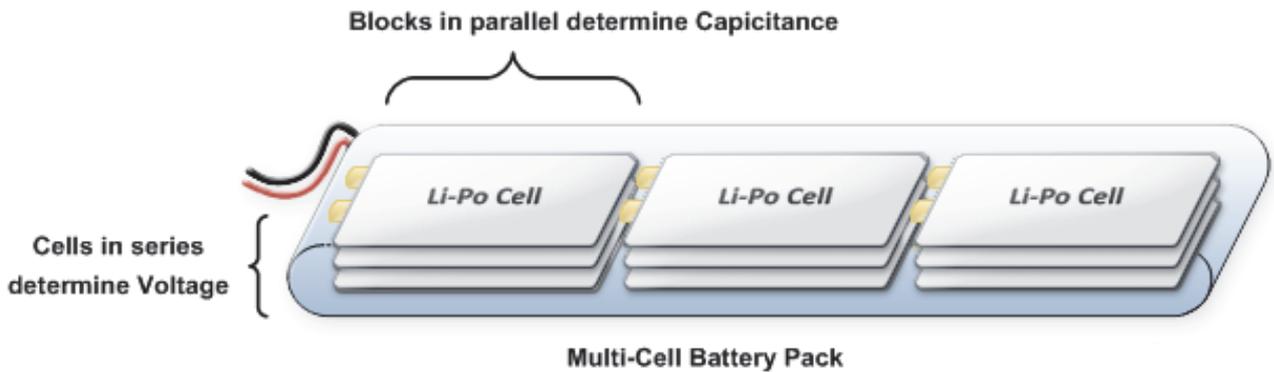
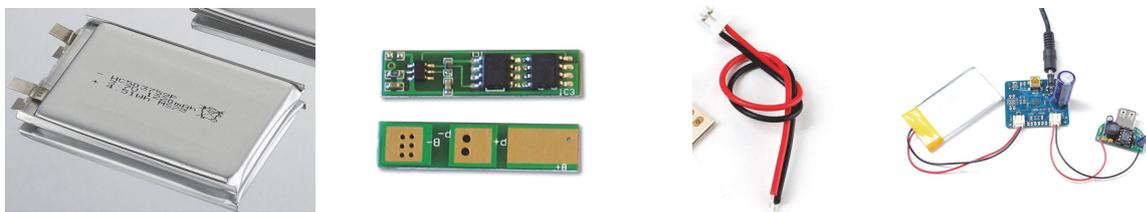


- The purpose of a battery pack is to provide convenient integrated more powerful source. LiPo batteries are usually composed of several identical Honcell secondary cells in parallel and series. By adding more cells in a series chain, this does not increase the Amp Hour capacity of the battery, but it increases the Watt-hour capacity, or the total stored energy, in proportion to the number of cells in the chain. The capacity can be increased through adding more parallel cells, this increases the Amp Hour capacity as well as the Watt-hour capacity without increasing the battery voltage. Mostly, the configurations for such pack chains are 2S1P, 2S2P, 3S1P, 3S2P, 4S1P, 4S2P...

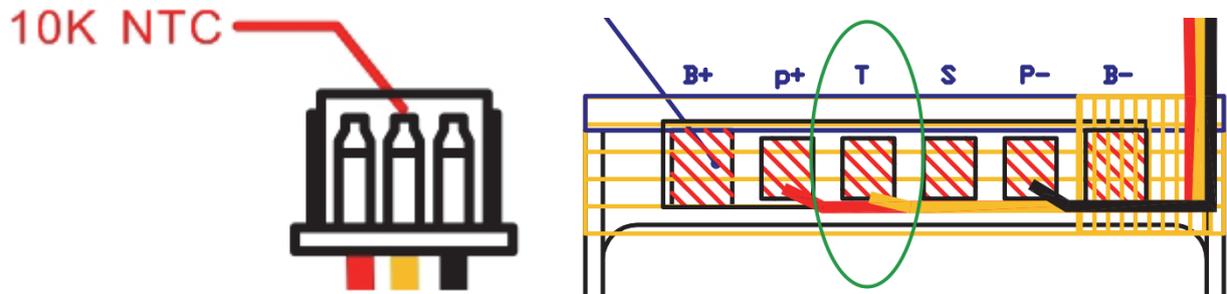


1P			2P						
2S									
3S									
4S	A		3S	A		5S	A		
	B			B			B		
5S	A		4S	A		6S	A		
6S	A			B			B		
	B			C			C		

- The Lipo batteries can come pre-attached with a genuine x-pin(x=2 or 3 or 4) connector in lead wires drawn out from the included necessary protection circuit module (PCM), as shown in previous demo. Because they have a genuine connector, not a knock-off, the cable won't snag or get stuck in a matching JST jack, they click in and out very smoothly. The included protection circuitry keeps the battery voltage from going too high (over-charging) or low (over-discharge) which means that the battery will cut off when completely dead at 3.0V or 2.75V on the basis of pre-selected type of PCM. It will also protect against output shorts. However, even with this protection it is very important that you only use a charger specifically designed for lithium ion polymer batteries in CC(constant-current) / CV (constant-voltage) to recharge them and at a C rate specified by Honcell. Like most Lipo batteries.



- The packs we are making have no NTC thermistor built in. This is why we suggest charging at lower current. We can definitely say charging at 0.2C is always a good rate, and available from any USB port if using a USB-powered charger.



- If your application requires a removable or replaceable battery, we are good enough to manufacture the complete product including battery and hard plastic case as a whole "hard case battery".

