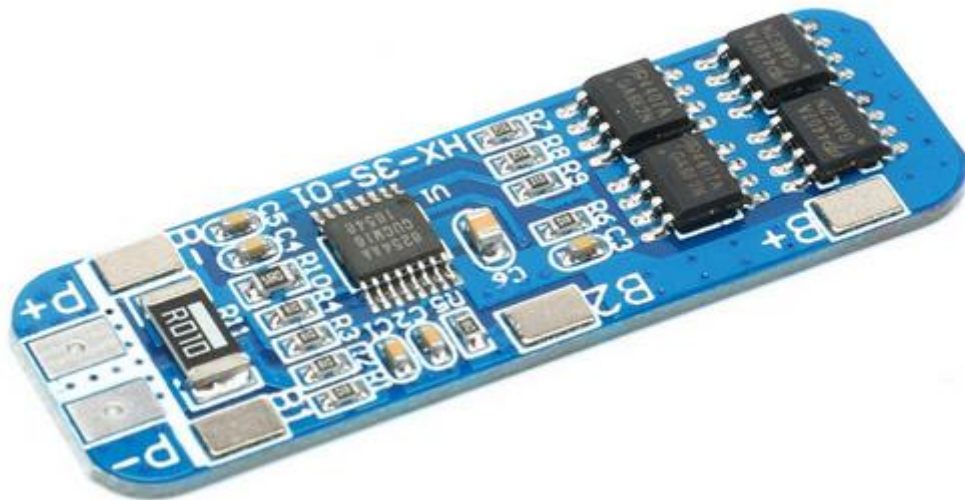


## 3-Cells Lithium Battery Charger with Protection

This is a protection module for 3-serial-cell lithium-ion / lithium polymer rechargeable batteries and includes a high-accuracy voltage detector and delay circuit. Automatically cancel protection after fault conditions removed. With Protection function of overcharge, over-discharge, short circuit and over-current protection. Suitable for lithium battery pack of 11.1V, 12V & 12.6V.

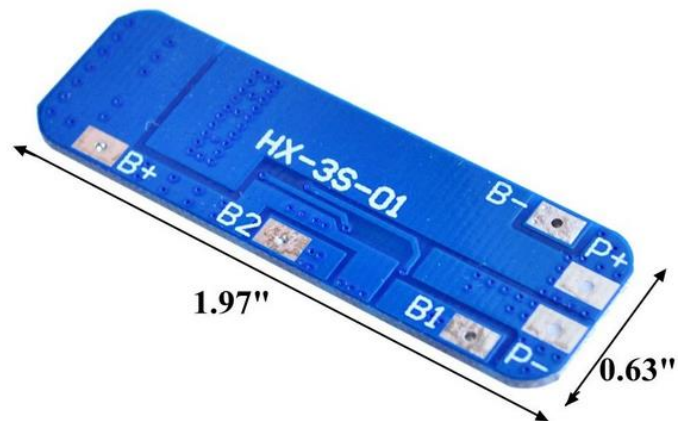


SKU: [PSU-1012](#)

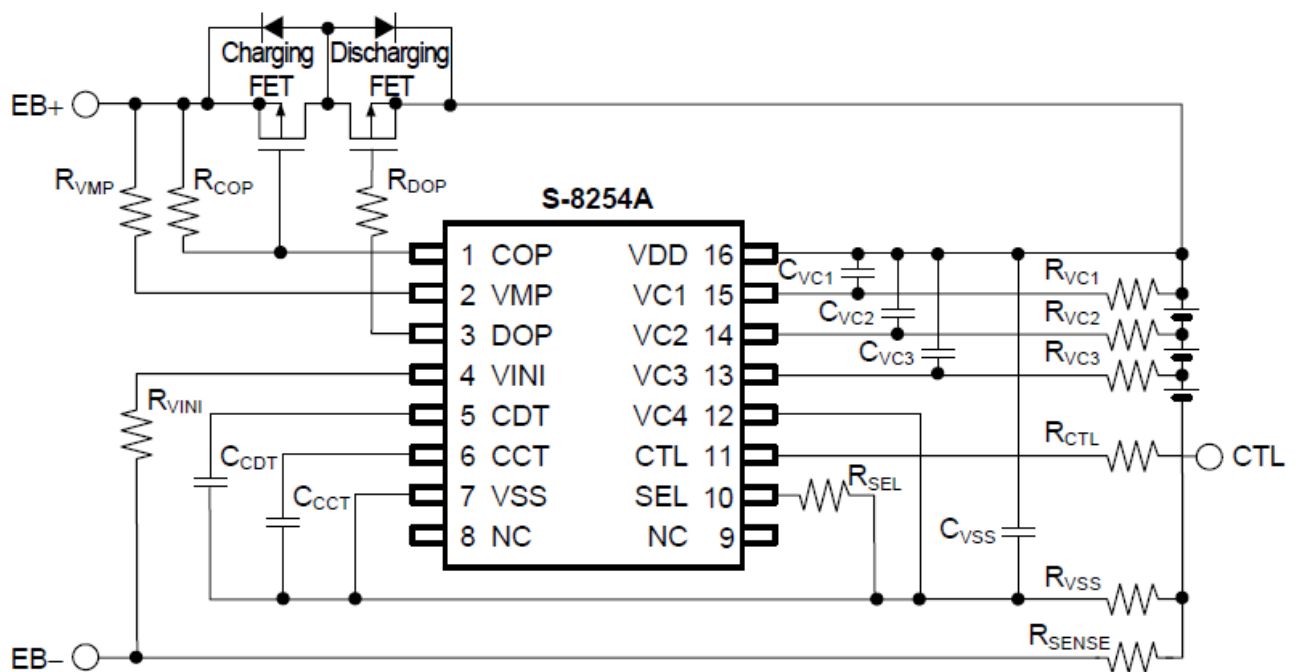
### Brief Data:

- Overcharge Voltage Detection:  $3.9 \sim 4.35V \pm 0.05V$ .
- Over discharge voltage Detection:  $2.3 \sim 3.0V \pm 0.05V$ .
- Maximum operating current: 6~8A.
- Quiescent current:  $< 30\mu A$ .
- Internal resistance:  $< 100m\Omega$ .
- Charging voltage: 12.6V ~ 13V.
- Working temperature:  $-40 \sim +50^{\circ}C$
- Short circuit protection: Yes, delayed self recovery.
- Dimensions: (50 x 16 x 1) mm

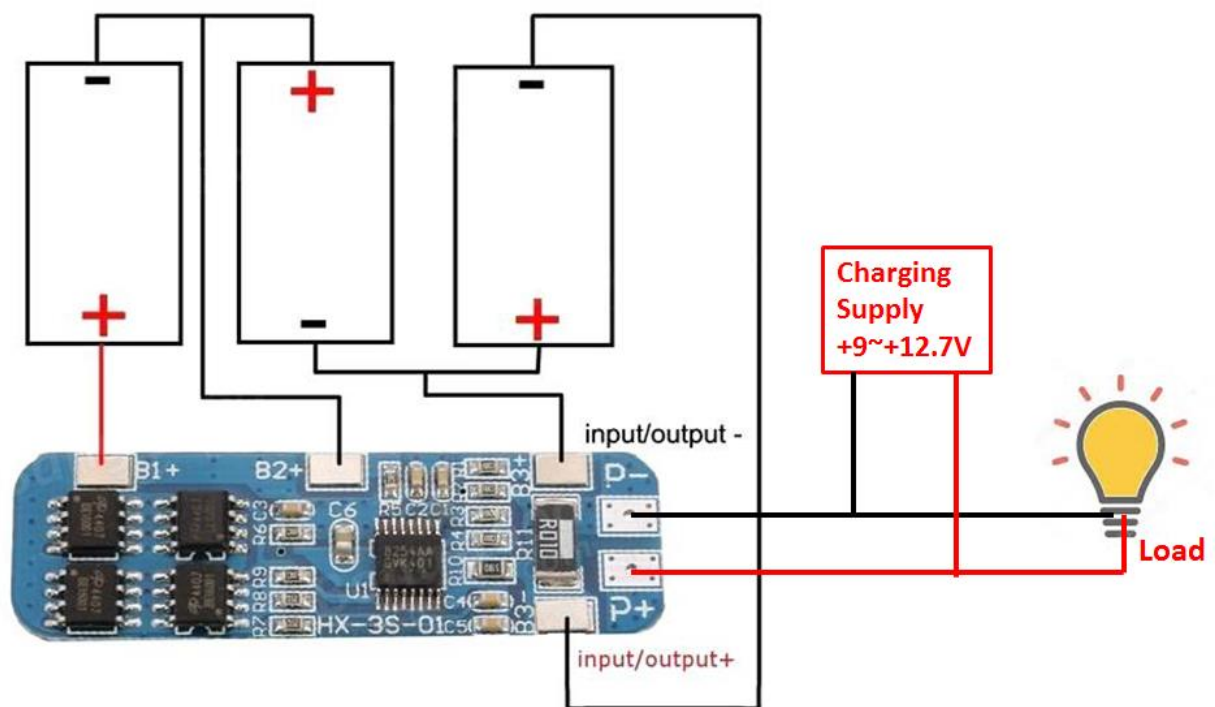
## Board Dimension:



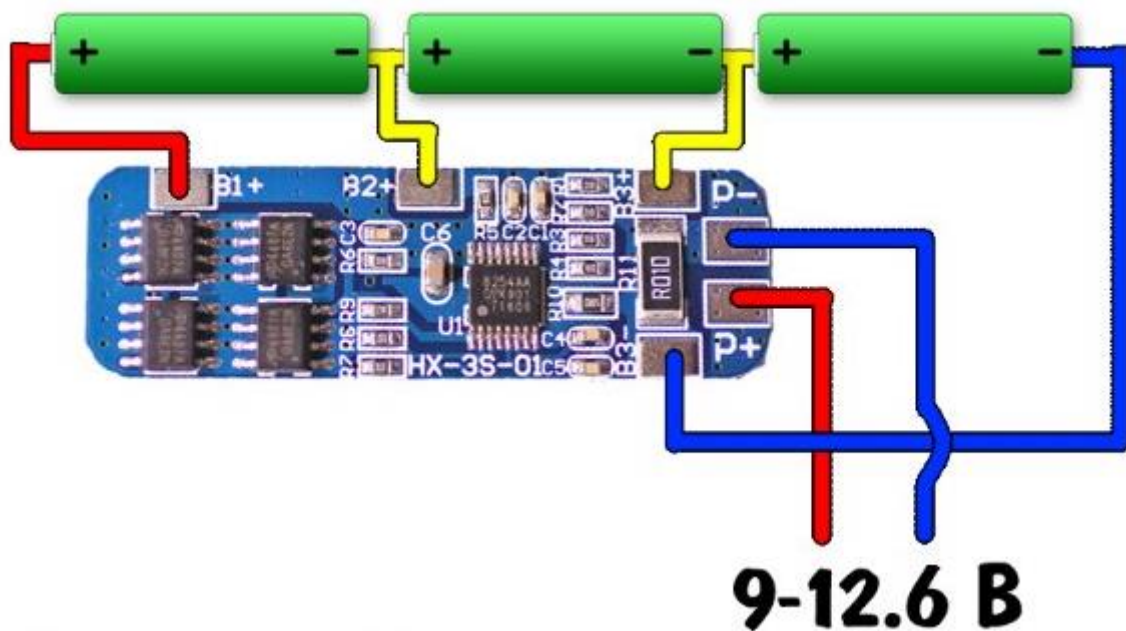
## Schematic Diagram:



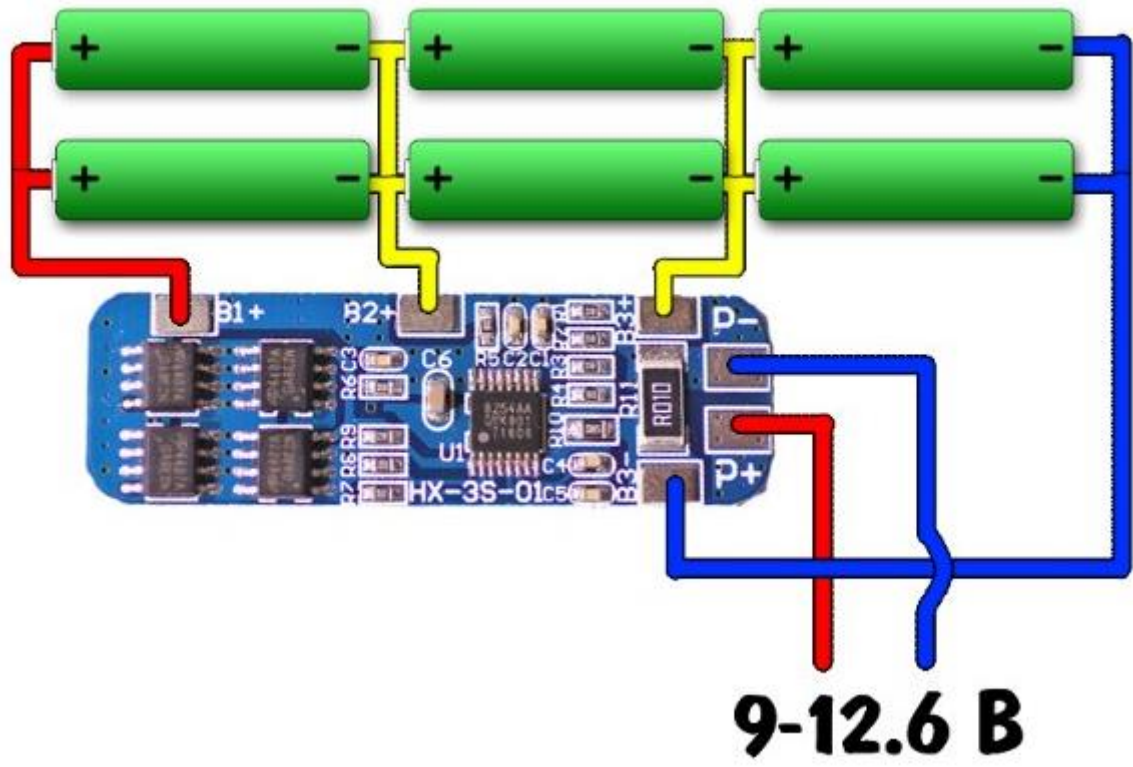
## Basic Connection Diagram:



## Application Example:



Charging 3S1P (3 Series 1 Parallel)



**Charging 3S2P (3 Series 2 Parallel) Configuration**



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