

--	--	--	--

(Product Summary):

- ◆ Use foreign premium IC in class A protection.
- ◆ Professional high current wiring design & workmanship, thus can withstand the shock of high current high .
- ◆ Use full enclosed heat-dissipating glue and double-sided heat dissipation design, heat is dissipated in time, and the heat dissipation effect is better than others
- ◆ Fully sealed waterproof technology, with waterproof, dust proof, shockproof, anti-squeezing and other protective functions
- ◆ Complete overcharge, over discharge, over current, short circuit, and equalization functions。

Electrical Parameters:(Room temperature 25°C, humidity 55%)

(N0)	(Description)	(Specification)	(Unite)	Remarks
1	(Discharge) (Continue discharge current)	100	A	
2	(Charge) (Charge voltage)	54.75	V	
	(Charge current)	50	A	
3	(Over charge protection) (Over charge detect voltage)	3.75±0.05	V	
	(over charge protection delay)	1	S	

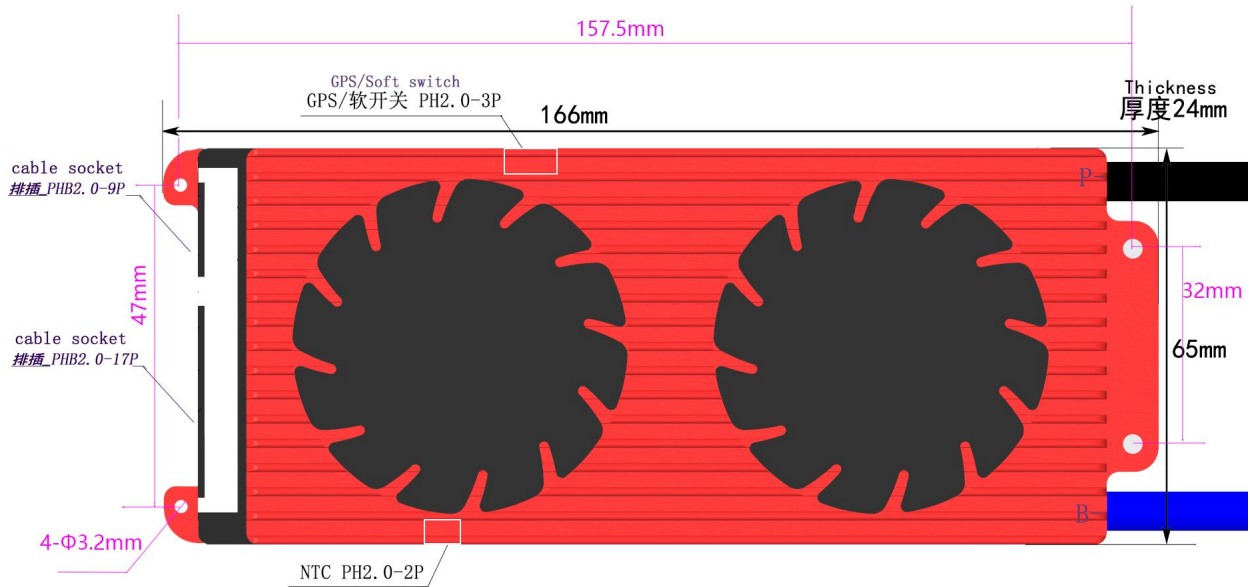
		(over charge release voltage)	3.55 ± 0.05	V	
4	(Balance)	(Balance detect Voltage)	3.50	V	
		(Balance current)	30 ± 5	mA	
5	(Over discharge) protection	(Over discharge detect)	2.2 ± 0.1	V	
		(Over discharge detect delay)	1	S	
		(Over discharge release voltage)	2.5 ± 0.1	V	
6	(Charging over current protection)	(Charging over current protection current)	150 ± 20	A	(Can set as required)
		(Over Charge current detect delay)	1	S	(Can set as required)
		(Over Charge current protection release condition)	(Off load)		
7	(Discharge over current protection)	(Discharge over current protection current)	300 ± 50	A	(Can set as required)
		(Over discharge current detect delay)	1	S	(Can set as required)
		(Over discharge current protection release condition)	(Off load)		
8	(Short Circuit protection)	(Short Circuit protection condition)	(Short circuit of external load)		
		(Short circuit detect delay)	960	uS	
		(Short circuit protection release)	(Off load)		
9	(Temp Protect)	(Charge Temperature protection degrees)	/	°C	
		(discharge Temperature protection degrees)	/	°C	

--	--	--	--

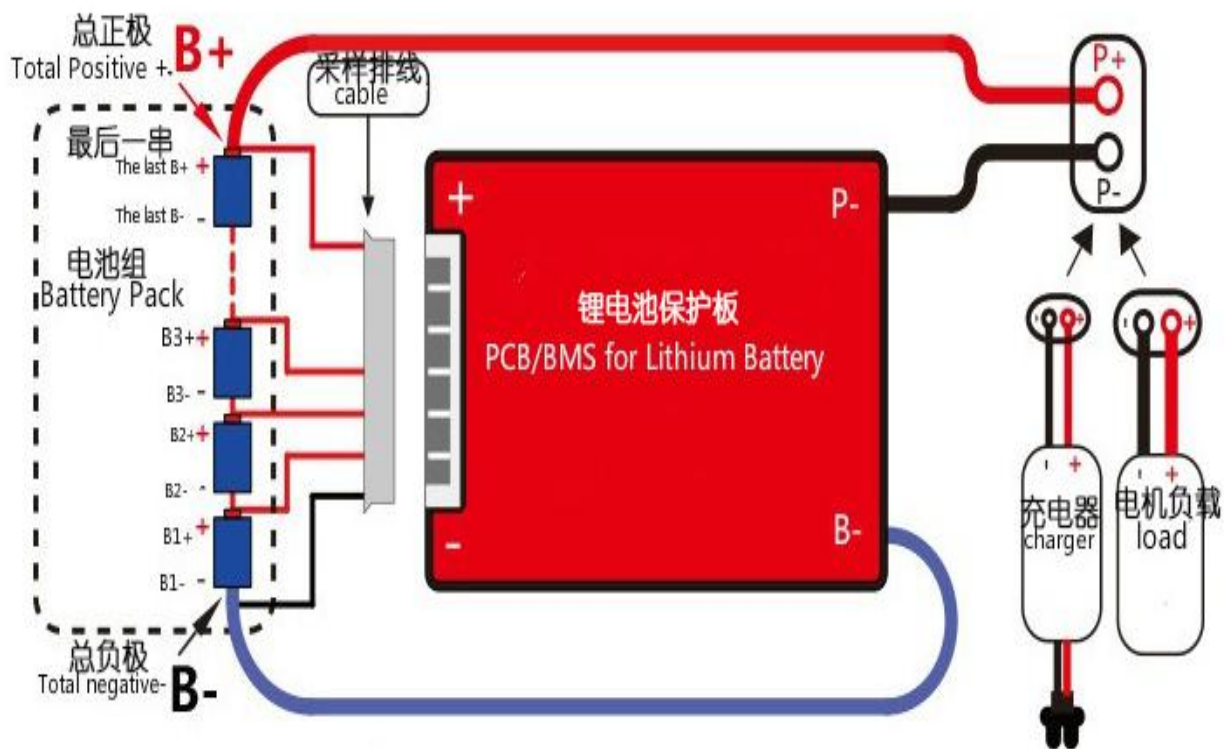
10	(Weak Current Switch)	(No)			
11	(Inner Resistance)	(Main Circuit Conduct Inner resistance)	<20	mΩ	
12	Self Consumption	(Working current)	500	uA	
		Sleeping current(over-discharge)	0	uA	
13	(Working Temp)	(Temp range)	-20~70	°C	
13	(Storing Temp)	(Temp range)	-40~80	°C	

(BMS wiring Connection)

(1). (Product picture)



(2) (Wiring diagram)



3. (Wiring operation):

(1)

First connect the B-cable of the protection board to the total negative pole of the battery pack

(2)

The cable starts from the thin black one connecting B-, the second red cable connects the positive pole of the first string of batteries, and the next string is connected in turn. The positive pole of the pool; then insert the cable into the protection board;

(3)

After finishing the wiring soldering, measure whether the battery B+, B-voltage and P+, P-voltage values are the same, only same, the protection board works positively. otherwise please follow the above re-operation;

(4)

When removing the protection board, first pull out the cable (if there are two cables, pull the high-voltage cable first, then pull the low-voltage cable), then remove Power cable B-.