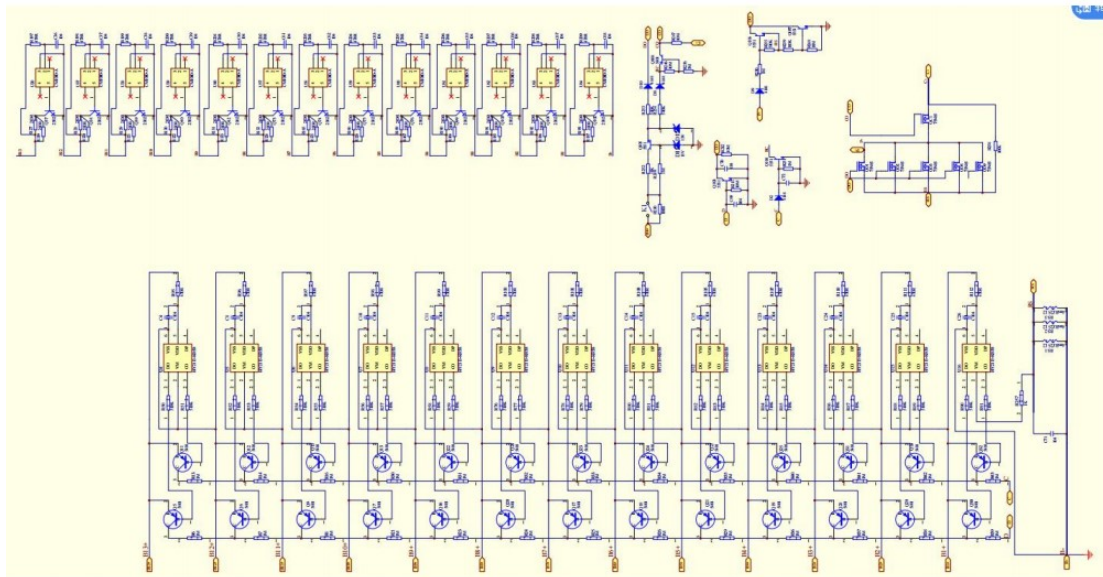


1. Specification

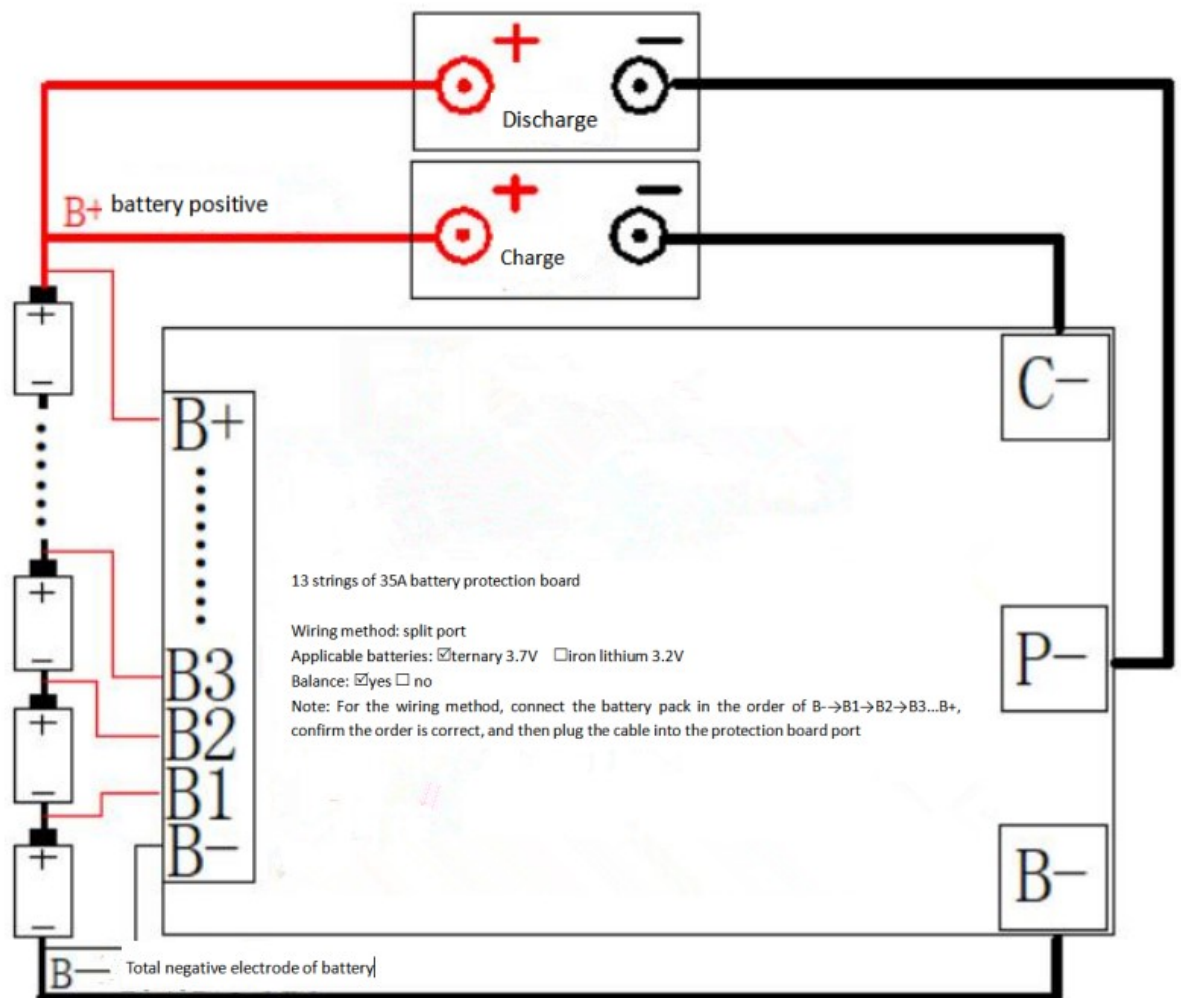
Only for 13-string ternary split 35A with equalization products

2. Electrical Characteristics

	Details		Specification	Unit	Remark
Discharge	Continuous discharge current		<35.0	A	
Charging	Continuous charging current		<6.0	A	
Overcharge protection	Single cell overcharge detection voltage		4.25 ± 0.025	V	
	Overcharge protection delay		100 ± 50	mS	
	Overcharge release voltage		4.18 ± 0.05	V	
Charge equalization	Single-cell charge balance detection voltage		4.20 ± 0.025	V	
	Single-cell charge equalization current		42 ± 5	mA	
Over discharge protection	Single cell overdischarge detection voltage		2.8 ± 0.1	V	
	Overdischarge detection delay		100 ± 50	mS	
	Overdischarge release voltage		3.0 ± 0.1	V	
overcurrent protection	Overcurrent detection voltage		100 ± 15	mV	
	Overcurrent detection delay		100 ± 50	mS	
	Overcurrent protection current		130 ± 30	A	
	Overcurrent protection release conditions		Disconnect the load		
temperature protection	temperature protection		/	°C	
Internal resistance	Main circuit conduction internal resistance		≤ 20	m Ω	



4. Protection board wiring diagram



Sub-interface:

Positive pole of battery pack

B+: Positive pole for charging and discharging.

B-: The total negative pole of the battery pack. .

C-: Negative electrode for charging.

P-: Negative pole of discharge.

5. PCM size: length 69.0 ± 0.2 * width $51.5.0 \pm 0.2$ * thickness 9 ± 1.0 mm.

6. Special notes on the protection board

Wiring operation:

(1) The cable starts from the thin black wire connected to B-, the second wire is connected to the positive electrode of the first string of batteries, and the positive electrode of each string of batteries is connected in turn; then insert the cable into the protection board;

(2) The wiring is completed Then, measure whether the voltages of B+ and B- of the battery are the same as those of P+ and P-. The same means that the protection board is working normally; otherwise, please re-operate according to the above;

(3) The total negative pole of the cell is welded to the B-soldering point of the protection board;

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

7. Matters needing attention

1) The protection boards of different voltage platforms cannot be mixed, such as ternary protection boards cannot be used on iron-lithium batteries;

2) The cables of different manufacturers are not common, please make sure to use our company's matching cables;

3) During testing and installation , When touching and using the protection board, take measures to discharge static electricity;

4) Do not let the heat dissipation surface of the protection board directly contact the battery, otherwise the heat will be transferred to the battery and affect the safety of the battery;

5) Do not disassemble or change the protection by yourself

6) If the protection board is abnormal, please stop using it and use it after the problem is solved;

7) Do not use two protection boards in series or in parallel.