

3S 50A

Name	Polymer / ternary lithium manganese oxide	Lithium Iron Phosphate
	battery protection parameters	Battery Protection Parameters
Single-section overcharge protection voltage	4.25V ±0.025V	3.75V ±0.025V
Single-section overcharge release voltage	4.15V ±0.05V	3.55V ±0.05V
Overcharge protection delay	1S ±200mS	1S ±200mS
Single-section over-discharge protection voltage	2.7V ±0.05V	2.0V ±0.05V
Single-section over-discharge voltage	3.0V ±0.1V	2.7V ±0.1V
Over-discharge protection delay	1S ±200mS	1S ±200mS
Discharge overcurrent protection	70A	70A
Discharge overcurrent protection delay	100mS ±50mS	100mS ±50mS
Short circuit protection	Yes	Yes
Short circuit protection delay	250uS ±50uS	250uS ±50uS
Short circuit protection recovery mode	Disconnect load recovery output voltage	Disconnect load recovery output voltage
Discharge current	50A (more than 20A, please tin the PCB tinned part, or add copper wire to increase the flow)	50A (more than 20A, please tin the PCB tinned part, or add copper wire to increase the flow)
Balance Function	Yes	Yes
Balanced turn-on voltage	4.18V ±0.025V	3.5V ±0.025V
Balanced current	55mA	55mA
Wire break protection	Yes	Yes
Temperature protection	Yes (effective when connected to 10K ohm NTC resistor)	Yes (effective when connected to 10K ohm NTC resistor)
Charging low temperature protection	-7°C -7°C	-7°C -7°C
Charging high temperature protection	50 ° C 55 ° C	50 ° C 55 ° C
Discharge high temperature protection	70 ° C 75 ° C	70 ° C 75 ° C
Module size	72*30*6mm	72*30*6mm

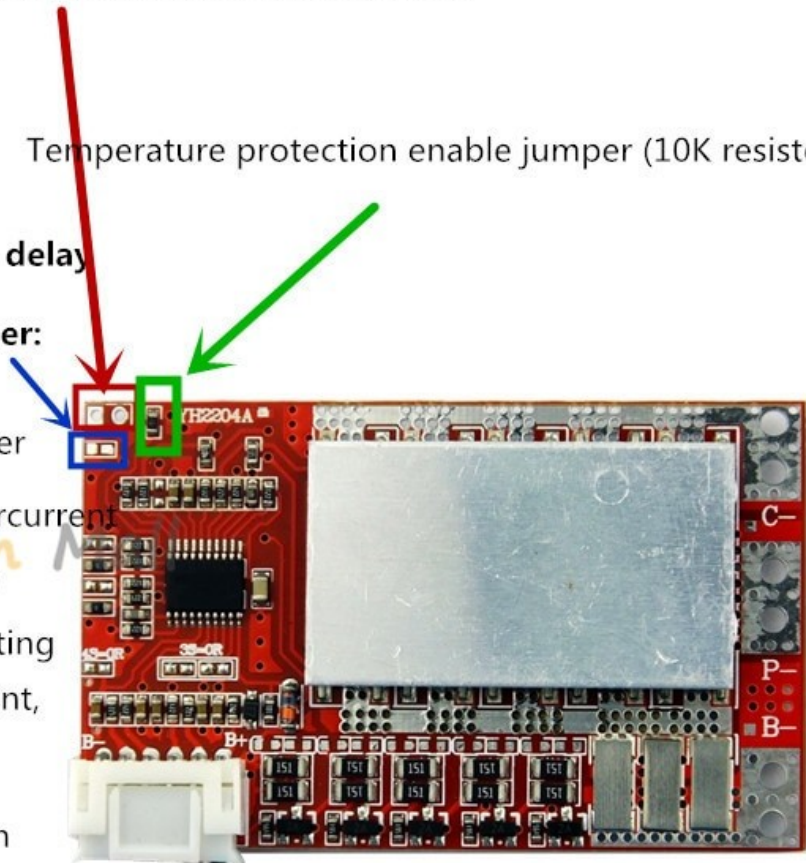
Temperature protection detection resistor,
10K ohms NTC. If you need temperature protection,
please add 10K ohm NTC resistor here.

Also remove the temperature protection enable jumper

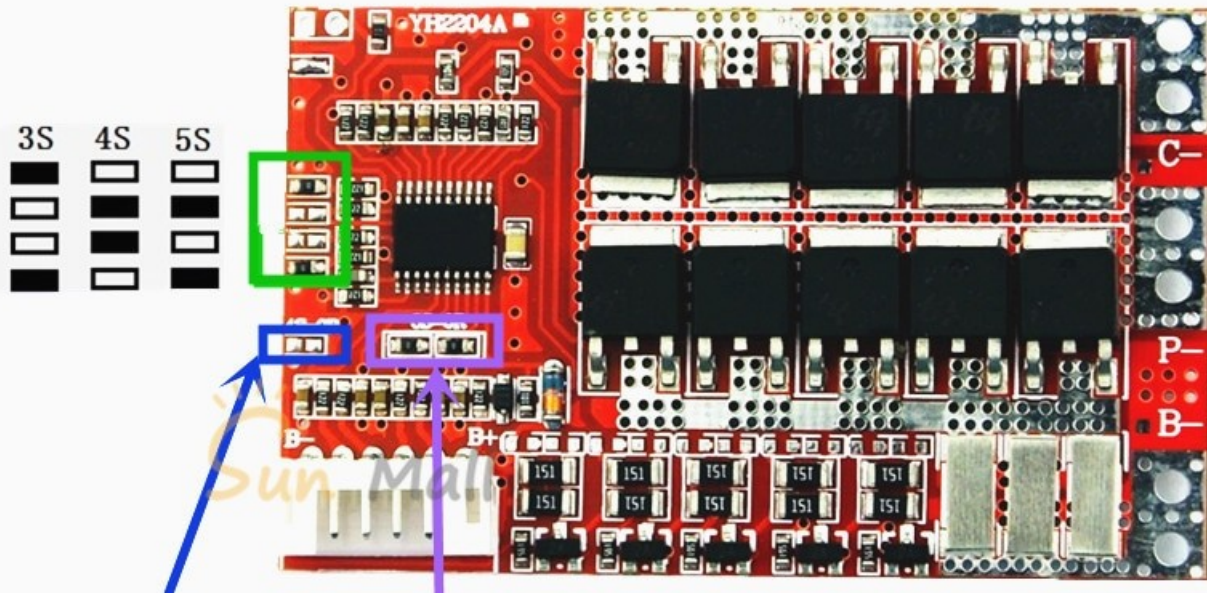
Temperature protection enable jumper (10K resistor)

**Overcurrent protection delay
time adjustment jumper:**

short circuit This jumper
can extend 10 times overcurrent
protection time, inverter,
DC motor and other starting
currents with large current,
short circuit this jumper
can reduce misprotection



3/4/5 Lithium battery switching method



Short the jumper when 4S

Short the jumper when 3S

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