

2S 5A PCM for 7.4V Lithium ion Battery Packs Battery BMS



LWS is a high-tech enterprise integrating the research and development production, sales and client service of multi-series and power type lithium battery protection boards. Our bms have passed CE, RoHS. We have been specialized in 2S 5A PCM for 7.4V Lithium ion Battery Packs Battery BMS for many years. Our products have a good quality advantage, both with high-precision E-Testing, 100% testing.

Product Introduction

You can rest assured to buy customized 2S 5A PCM for 7.4V Lithium ion Battery Packs Battery BMS from LWS. We look forward to cooperating with you, if you want to know more, you can consult us now, we will reply to you in time! Our battery protection board always monitor the state of battery, when 4.25V or so to stop charging, the battery voltage is lower than 2.7 V or so to stop discharging, limit the output current, output short circuit to stop discharging, delay self-recovery, intelligent control of charging current, prevent damage to the battery, can greatly improve the service life of lithium battery.

Product Parameter (Specification)

Shenzhen Li-ion Battery Bodyguard Technology Co.,LTD			
PCM Specifications For 7.4V (2S) Li-ion Battery Packs			
Model: LWS-2S5A-107 (2S5A)			
No.	Test item		Criterion
1	Voltage	Charging voltage	DC:8.4V CC/CV
		Single balanced voltage	4.2V±0.025V
2	Current	Balance current for single cell	42±10mA
		Current consumption	≤20uA
		Maximal continuous charging current	5A
		Maximal continuous Discharging current	5A
3	Over charge Protection (single cell)	Overcharge detection voltage	4.25V±0.025V
		Over charge detection delay time	0.5—1.5S
		Over charge release voltage for	4.05±0.05V

		single cell	
4	Over discharge protection (single cell)	Over discharge detection voltage for single cell	2.80V±0.08V
		Over discharge detection delay time	50mS—150mS
		Over discharge release voltage for single cell	3.0±0.1V
5	Over current protection	Over current detection voltage	200±25mv
		Charge Over current detection	15±2A
		Detection delay time	5—20mS
		Release condition	Cut load, Automatic recovery
6	Short protection	Detection condition	Exterior short circuit
		Detection delay time	200—500us
		Release condition	Cut load, Automatic recovery
7	Resistance	Protection circuitry (MOSFET)	≤50mΩ
8	Temperature	Operating Temperature Range	-20~+60℃
		Storage Temperature Range	-20~+85℃

Product Feature and Application

Our 2S 5A PCM for 7.4V Lithium ion Battery Packs Battery BMS can be used for solar street light, LED lights, Emergency lights, Digital Equipment, electric scooter, e-bike, electric tricycle, low speed ev, RV& Home energy storage, electric tool, etc.

Product Details

LWS 1S 3.7V 2A lithium ion BMS PCM 18650 Battery Protection Board PCB1S 5A 3.7V 18650 Lithium ion Battery BMS protects 1 lithium battery from overcharging, over-discharging, over-current, and short-circuit. 2S 5A PCM for 7.4V Lithium ion Battery Packs Battery BMS is suitable for 2 series 1A-5A Li-ion and LiFePO4 battery packs.

It has table various charge and discharge protection functions, such as accurate overcharge protection, overdischarge protection, overcurrent protection and short circuit protection.

The BMS manufactured by high quality Mos and IC imported .

The Balance function could balancing continuous balanced Voltage and current, ensure battery consistency, improve battery cruising range, and delay battery aging.

And support high quality Temperature protection:65℃ or 75℃ , when the temperature rises to the operating temperature value, the circuit is cut off/on to protect the battery pack.

This BMS protects 2 lithium batteries cells connected in series from overcharging, over-discharging, over current, and short-circuit. This board is not designed for high powered tools such as portable drills and alike.

Notes

- 1) Wire connection strictly according to the drawing, do not intentionally short circuit.
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- 2) Before charged, need to connect the cables first
- 3) When two groups of batteries are connected in series, ensure that the voltage of each group of batteries voltage is the same. If not, fill each group of batteries separately before connecting them in series. In discharge tests, the group of cells with the fastest voltage drop is the differential cell.
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