

2S 4A 7.4V Lithium ion Battery Protection Board BMS



LWS® are high-tech enterprise integrating the research and development, production, sales and client service of multi-series and power type lithium battery protection boards. Our 2S 4A 7.4V Lithium ion Battery Protection Board BMS manganese acid rechargeable battery pack

Product Introduction

LWS® 2S 4A 7.4V Lithium ion Battery Protection Board BMS

- (1) High-precision voltage detection function for each cell.
- (2) 3 section overcurrent detection function.
- (3) The charge and discharge of the battery can be controlled by MOS
- (4) operating temperature range: $-40^{\circ}\text{C} \sim +85^{\circ}\text{C}$;
- (5) Low consumption current.

Product Parameter (Specification)

PCM Specifications For LWS® 7.4V (2S) Li-ion Battery Packs			
No.	Test item		Criterion
1	Voltage	Charging voltage	DC:8.4V CC/CV
		Single balanced voltage	
2	Current	Balance current for single cell	
		Current consumption	$\leq 20 \mu\text{A}$
		Maximal continuous charging current	2A
		Maximal continuous Discharging current	2A

3	Over charge Protection (single cell)	Overcharge detection voltage	$4.25V \pm 0.025V$
		Over charge detection delay time	0.5S—1.5S
		Over charge release voltage for single cell	$4.10 \pm 0.050V$
4	Over discharge protection (single cell)	Over discharge detection voltage for single cell	$3.0 \pm 0.08V$
		Over discharge detection delay time	10mS—150mS
		Over discharge release voltage for single cell	$3.0 \pm 0.1V$
5	Over current protection	Over current detection voltage	$150 \pm 30mv$
		Charge Over current detection	$6 \pm 2A$
		Detection delay time	5mS—15mS
		Release condition	Cut load
6	Short protection	Detection condition	Exterior short circuit
		Detection delay time	200—500us
		Release condition	Cut load
7	Resistance	Protection circuitry (MOSFET)	$\leq 50m\Omega$
8	Temperature	Operating Temperature Range	$-40 \sim +85^{\circ}C$
		Storage Temperature Range	$-40 \sim +125^{\circ}C$

Product Feature and Application

Our 2S 4A 7.4V Lithium ion Battery Protection Board BMS is suitable for the following products:

Massager battery pack, LED lamp backup power supply, 12V electronics, solar street light battery pack, monitoring standby power, and other products.

Product Details

2S 4A 7.4V Lithium ion Battery Protection Board BMS is suitable for 2 series lithium ion rechargeable battery pack

Notes

1) Wire connection strictly according to the drawing, do not intentionally short circuit. 1) Wire connection strictly according to the drawing, do not intentionally short circuit.

2) Before charged, need to connect the cables first

3) When ten 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.