51.8V（14S）Li-ion battery BMS Specification

ITEM: WS-16S25A-010(14S)

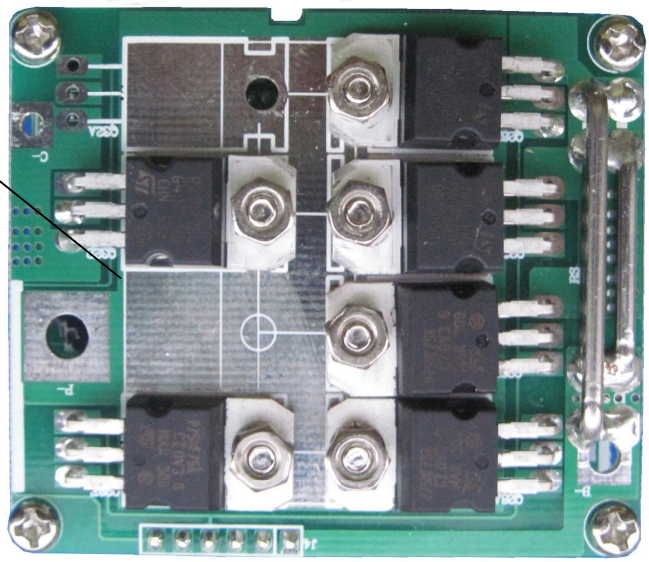
Item	Specification		
1	Voltage	Charge Voltage	DC: 59.5V CC/CV
		Singel cell Balance voltage	4.20±0.025V
2	Current	Single cell Balance current	42±5mA
		Single cell self discharge	≤20μA
		Max constant charge current	10A
		Max constant discharge current	20A
3	Overcharge Protection（Single Cell）	Over charger voltage detection	4.25±0.025V
		Overcharge detection delay time	0.5S—1.5S
		Overcharge recovery voltage	4.05±0.05V
4	Overdischarge Protection（Single Cell）	Overdischarge detection voltage	2.50±0.062V
		Over discharge detection delay time	10mS—150mS
		Over-discharge recovery voltage	3.00±0.062V
5	Over Current prote	Overcurrent detection voltage	0.62V
		Over current detection current	80±20A
		Overcurrent detection delay time	5ms—15ms
		Recovery Status	Disconnect the load, automatic recovery
6	Short Circuit prot	Detection Status	Short Circuit
		Detection delay time	200-500us
		Recovery Status	Disconnect the load, automatic recovery
7	Inner resistance	Protection circuit（MOSFET）	≤20mΩ
8	Temperature	Operating temperature range	-40～+65℃
		Storage temperature range	-40～+125℃

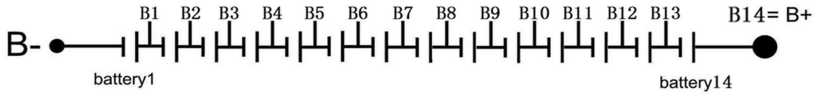
B+=P+=Charge+/Discharge+

CH- =Charge-,P- =Discharge-

Size:L60*W50*T18mm

wiring schematic for reference



B14

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