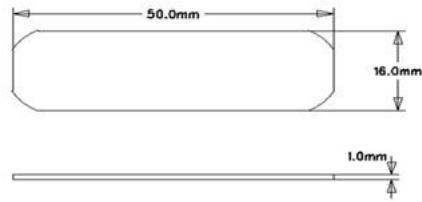


3S 11.1V 8A BMS – SEEGATE CORPORATION

■ Electrical characteristics

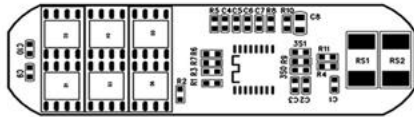
No	Tested Item		Criterion
1	Voltage	Charging Voltage	DC:12.75V CC/CV
		Balance Voltage for single cell	/
2	Current	Balance Current for single cell	/
		Current consumption	$\leq 6 \mu A$
		Max continuous charging current	8A
		Max continuous discharging current	24A
3	Over charge Protection	Over charge detection voltage for single cell	$4.25 \pm 0.025V$
		Over charge detection delay time	1-200ms
		Over charge release voltage for single cell	$4.15 \pm 0.05V$
4	Over discharge protection	Over discharge detection voltage for single cell	$2.7 \pm 0.08V$
		Over discharge detection delay time	1-100ms
		Over discharge release voltage for single cell	$3.0 \pm 0.1V$
5	Over current protection	Over current detection voltage for single cell	$0.150 \pm 0.030V$
		Over current detection current	24A
		Release condition	Cut load
		Over current detection delay time	1-20ms
6	Short protection	Detection condition	Exterior short circuit
		Release condition	Cut short circuit
		detection delay time	1-50us
7	Interior resistance	Main loop electrify resistance	$V_C=4.2V, R_{DS} \leq 60m\Omega$
8	Temperature	Operating Temperature	$-45^{\circ}C \text{ -- } +85^{\circ}C$
		Storage Temperature	$-45^{\circ}C \text{ -- } +85^{\circ}C$

BMS DRAWING

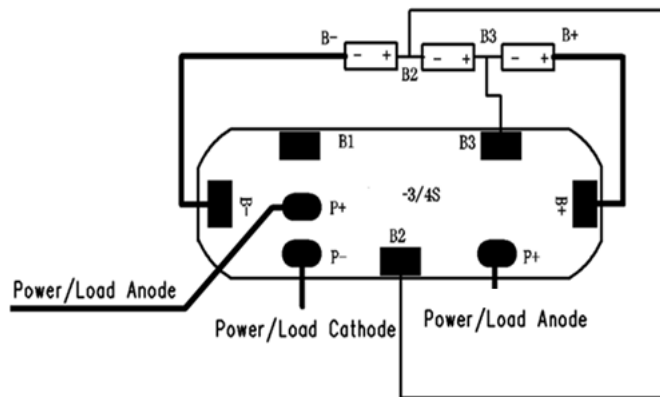
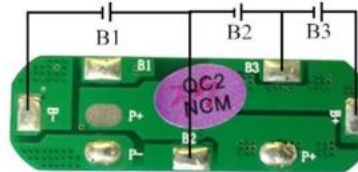
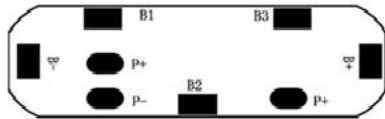


1. Unit: mm No tolerance: $\pm 0.1\text{mm}$ with * is the key detection size

■ Patch map



3S Connection



symbol	Description	symbol	Description
P+	Connect the positive end of the battery output / charging input	B+	Connect the battery 3 positive
P-	Connect the negative end of the battery output / charging input Negative end	B-	Connect the battery 1 negative
B1	Venting	B2	The anode of the battery 1 and the anode connection point of the battery 2
B3	The anode of the battery cell 2 and the anode connection point of the battery cell 3		