

# SB

## PCM Specifications For 3.7V (1S) Li-ion Battery Packs

### Model:SB-D18-2 (1S-2A)

No.	Test item		Criterion
1	Voltage	Charging voltage	DC4.2V CC/CV
		Balance voltage for single cell	
2	Current	Balance current for single cell	
		Current consumption	$\leq 10\mu\text{A}$
		Maximal continuous charging current	2A
		Maximal continuous Discharging current	2A
3	Over charge Protection	Over charge detection voltage for single cell	$4.25\pm 0.05\text{V}$
		Over charge detection delay time	0.5S—2S
		Over charge release voltage for single cell	$4.05\pm 0.05\text{V}$
4	Over discharge protection	Over discharge detection voltage for single cell	$2.80\pm 0.10\text{V}$
		Over discharge detection delay time	10mS—200mS
		Over discharge release voltage for single cell	$3.0\pm 0.10\text{V}$
5	Over current protection	Over current detection voltage	$0.15\pm 0.02\text{V}$
		Over current detection current	$5\pm 1\text{A}$
		Detection delay time	7.2ms—11ms
		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)	$\leq 60\text{m}\Omega$
8	Temperature	Operating Temperature Range	$-40\sim +85^\circ\text{C}$
		Storage Temperature Range	$-40\sim +125^\circ\text{C}$

P+=B+=Charge+/Discharge+

Size:L17.5\*W16.2\*T2mm

P-=Charge-/Discharge-

