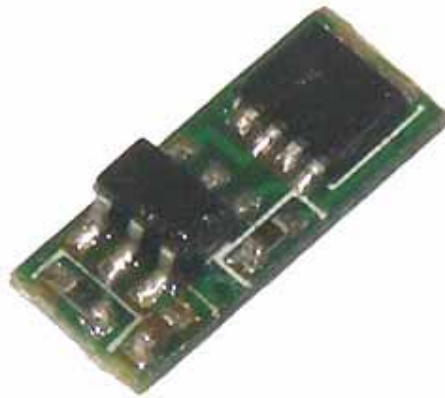


Specification of

PCM (Protection circuit module) for 1 cell (3.2V) LiFePO4 Battery

Pack at 2A limited



AA Portable Power Corp (<http://www.batteryspace.com>)

Address: 860 S, 19th St, Unit A, Richmond, CA, 94804

Tel: 510-525-2328

Fax: 510-439-2808

Email: Sales@batteryspace.com

Prepared & Approved by Max (01/04/10)

Technical parameters:

No.	Test item		Criterion
1	Voltage	Charging voltage	DC: 3.6 CC/CV
		Balance voltage for single cell	
2	Current	Balance current for single cell	
		Low Current consumption for single cell	$\leq 10\mu\text{A}$
		Maximal continuous charging & discharging current	2A
3	Over charge Protection (single cell)	Over charge detection voltage	$3.90\pm 0.025\text{V}$
		Over charge detection delay time	0.96S—1.4S
		Over charge release voltage	$3.80\pm 0.025\text{V}$
4	Over discharge protection (single cell)	Over discharge detection voltage	$2.0\pm 0.05\text{V}$
		Over discharge detection delay time	115~173mS
		Over discharge release voltage	$2.30\pm 0.05\text{V}$
5	Over current protection	Over current detection voltage	$0.10\pm 0.025\text{V}$
		Over current detection current	$2.5\pm 0.5\text{A}$
		Detection delay time	7.2ms~11ms
		Release condition	Cut-Load, Auto-recovery
6	Short protection	Detection condition	Exterior short circuit
		Detection delay time	200-500us
		Release condition	Cut Load Auto-recovery
7	Resistance	Protection circuitry (MOSFET)	$\leq 50\text{m}\Omega$
8	Temperature	Operating Temperature Range	$-40\sim +85^{\circ}\text{C}$

Dimension (LxWxH): 10mm(0.4") x 4.0mm(0.16") x 3.0mm(0.1")

Weight: 0.100z (2.8 grams)

Terminal Explanations:

P + = Charge + / Discharge +

P - = Charge - / Discharge -

B - = Battery Negative Polarity

