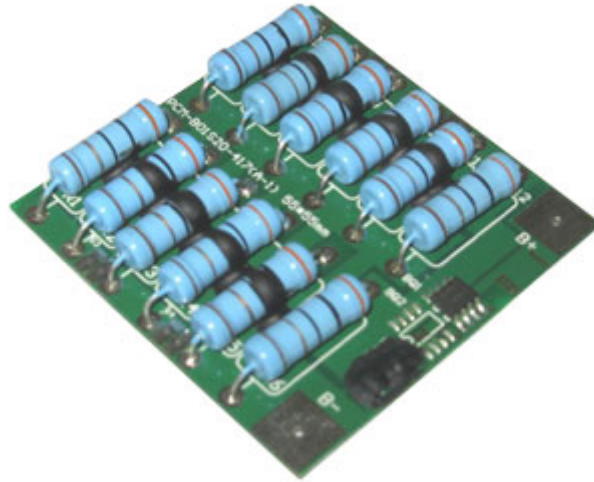


Specification of
Balance Module for (3.2V) LiFePO4 Battery Pack with
variable balancing current



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 Louis (01/10/10)

Technical Parameter

No.	Test item		Criterion (Ta = 25°C unless otherwise specified)
1	Voltage	Cell-balance detection voltage	3.600V±0.025V
		Cell-balance release voltage	3.500V±0.050V
		Cell-balance detection delay time	0.96~1.4s
2	Current	Balance current 1 / Balance current 2	0.65A / 0.9A
		Balance current 3 / Balance current 4	1.1A / 1.4A
		Current consumption during operation	≤20μA
3	Temperature	Operating ambient temperature	-40~+125°C
		Storage temperature	-55 to +125°C
		Continuous balance resistance temperature	≤85°C

Dimension(LxWxH): 56mm(2.2") x 56mm(2.2") x 10mm(0.4")

Weight: 0.6Oz (20.0 grams)

How to select balancing current

Balancing current 1-4 will be varied based on your selection below

Balancing current 1 = "650mA +/- 50mA"

-Short Circuit at "S1" / "S3"

Balancing current 2 = "900mA +/- 50mA"

-Short Circuit at "S1" + "S3",

Balancing current 3 = "1100mA +/- 50mA"

-Short Circuit at {"S1" + "S3"} + {"S2" / "S4"}

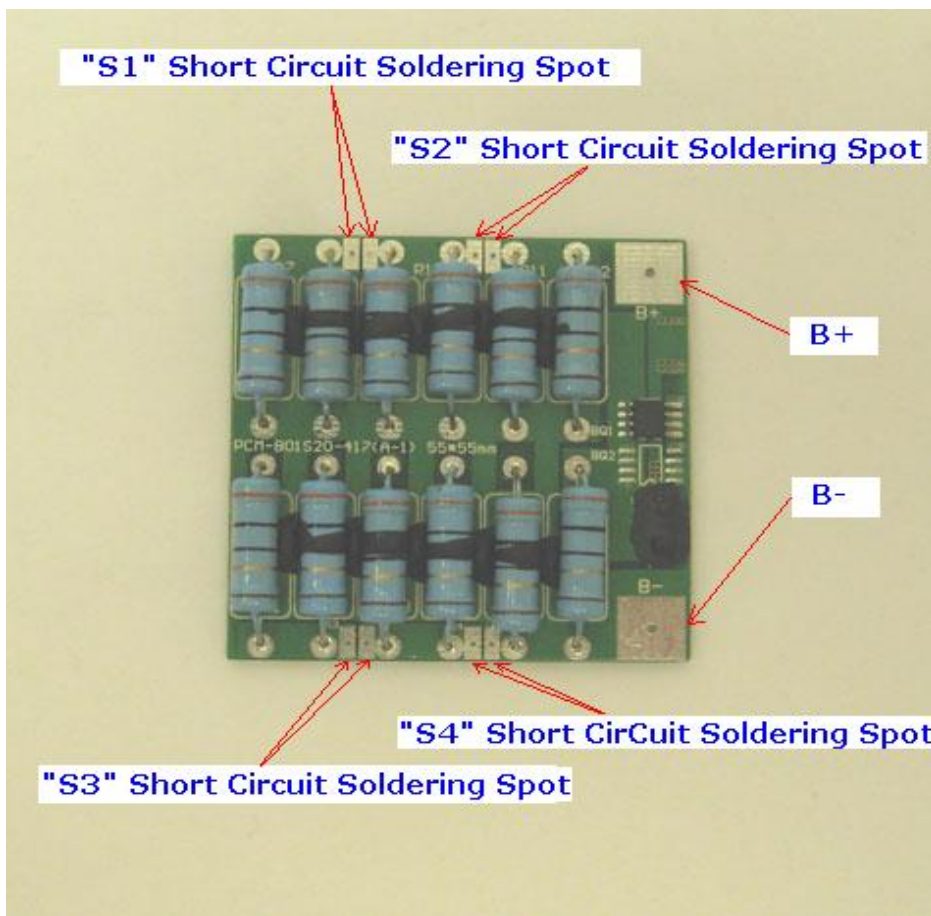
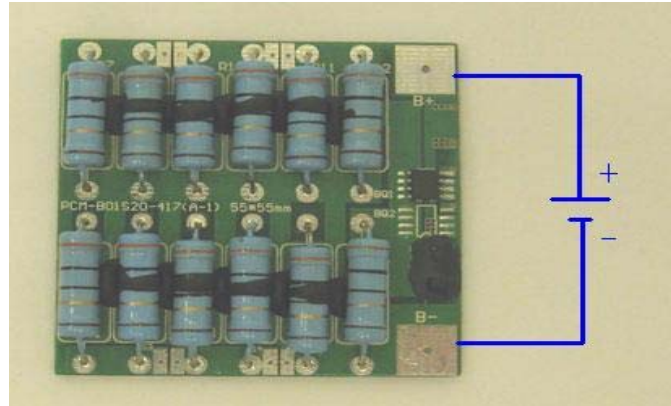
Balancing current 4 = "1400mA +/- 50mA"

-Short Circuit at "S1" + "S3" + "S2" + "S4"

Note:

- Tolerance for balancing current = +/- 50mA

Wiring diagram & Soldering Spot Explanation



B+ = "Charge + / Discharge +"

B- = "Charge - / Discharge -"

S1 = "Selective Balancing Current Short Circuit Spot 1"

S2 = "Selective Balancing Current Short Circuit Spot 2"

S3 = "Selective Balancing Current Short Circuit Spot 3"

S4 = "Selective Balancing Current Short Circuit Spot 4"

How to select Balancing current $I = "1400\text{mA} \pm 50\text{mA}"$ by Short Circuit at "S1" + "S3" + "S2" + "S4"

