



BMS Li-Ion

BATTERY MANAGEMENT SYSTEM

KEY FEATURES

- Battery Protection
- Temperature Monitoring
- Over Current Protection
- Cell Balancing
- Over/Under Voltage Lockout
- Short Circuit Protection

The Energy Access series of battery management circuits are fully-featured and come in a wide variety of parameters for both lithium ion(Li-Ion) and lithium iron phosphate(LFP) chemistries. These include: over-voltage and under-voltage lockout, over-current protection, short circuit protection, cell balancing, and temperature monitoring. Along with our standard line, we can customize most parameters for specific applications. Our present offerings are available for series configurations of 3 to 15 cells and currents ranging from 5A to 50A.

Discharge Current	5-50A
Charge Current	5-50A
Upper Cutoff Voltages	4.25V
Lower Cutoff Voltages	2.80V
Secondary Protection	Available
Quiescent Current	20 μ A
Operating Temperature	-40°C - 85°C
Dimensions	Varies
	<i>See Chart on Reverse</i>

STANDARD CONFIGURATION

- ▶ Li-Ion 3-15 Cells
- ▶ Cell Balancing limited by a 100 Ω , 1/10th watt resistor
- ▶ Popular form factors
- ▶ Temperature Cutoff
- ▶ Hardware Controlled

CUSTOMIZATION OPTIONS

- ▶ Cell Balancing Current
- ▶ Layout and Size
- ▶ Temperature Cutoff
- ▶ Protection Voltages

QUALITY THAT COUNTS

Dedicated to quality and backed by on-time delivery, Energy Access offers customizable solutions to fit any charging need. Our reach is worldwide. Working within a broad range of markets including medical, military, industrial, security, safety and robotics. Working closely with cell manufacturers and battery assemblers, our customers have helped shape the cornerstone of our success.



BMS PRODUCT PART NUMBERING

XXX	IICC	VVVVV	
BMS	0504	04250	

KEY

XXX - Platform
 II - Discharge Current (A)
 CC - Cell Count
 VVVVV - Voltage setting (VVVVVmV)

BMS MODELS - Lithium Ion (Li-Ion)

	5A	10A	25A	50A
3S	BMS-0503-04250 11.05 x 63.50mm	BMS-1003-04250 17.78 x 53.34mm	BMS-2503-04250 25.40 x 53.34mm	BMS-5003-04250 46.36 x 99.06mm
4S	BMS-0504-04250 11.05 x 63.50mm	BMS-1004-04250 17.78 x 53.34mm	BMS-2504-04250 25.40 x 53.34mm	BMS-5004-04250 46.36 x 99.06mm
5S	BMS-0505-04250 11.05 x 63.50mm	BMS-1005-04250 17.78 x 53.34mm	BMS-2505-04250 25.40 x 53.34mm	BMS-5005-04250 46.36 x 99.06mm
6S	BMS-0506-04250 11.05 x 109.86mm	BMS-1006-04250 17.78 x 88.90mm	BMS-2506-04250 25.40 x 75.44mm	BMS-5006-04250 46.36 x 120.65mm
7S	BMS-0507-04250 11.05 x 109.86mm	BMS-1007-04250 17.78 x 88.90mm	BMS-2507-04250 25.40 x 75.44mm	BMS-5007-04250 46.36 x 120.65mm
8S	BMS-0508-04250 11.05 x 109.86mm	BMS-1008-04250 17.78 x 88.90mm	BMS-2508-04250 25.40 x 75.44mm	BMS-5008-04250 46.36 x 120.65mm
9S	BMS-0509-04250 11.05 x 109.86mm	BMS-1009-04250 17.78 x 88.90mm	BMS-2509-04250 25.40 x 75.44mm	BMS-5009-04250 46.36 x 120.65mm
10S	BMS-0510-04250 11.05 x 109.86mm	BMS-1010-04250 17.78 x 88.90mm	BMS-2510-04250 25.40 x 79.76mm	BMS-5010-04250 48.26 x 130.56mm
11S		BMS-1011-04250 25.40 x 98.04mm	BMS-2511-04250 25.40 x 108.46mm	BMS-5011-04250 48.26 x 173.99mm
12S		BMS-1012-04250 25.40 x 98.04mm	BMS-2512-04250 25.40 x 108.46mm	BMS-5012-04250 48.26 x 173.99mm
13S		BMS-1013-04250 25.40 x 98.04mm	BMS-2513-04250 25.40 x 108.46mm	BMS-5013-04250 48.26 x 173.99mm
14S		BMS-1014-04250 25.40 x 98.04mm	BMS-2514-04250 25.40 x 108.46mm	BMS-5014-04250 48.26 x 173.99mm
15S		BMS-1015-04250 25.40 x 98.04mm	BMS-2515-04250 25.40 x 108.46mm	BMS-5015-04250 48.26 x 173.99mm