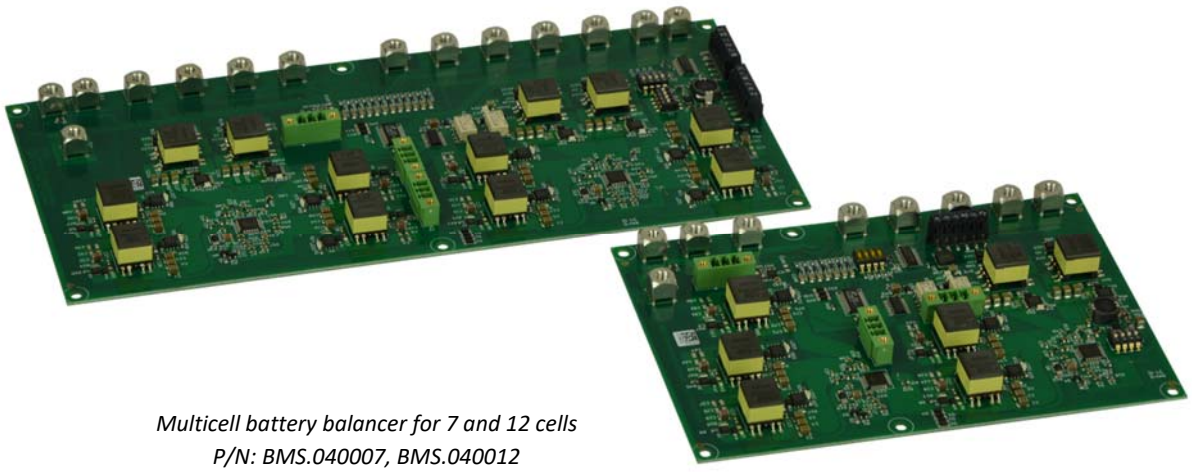
Multicell Active Battery Balancer

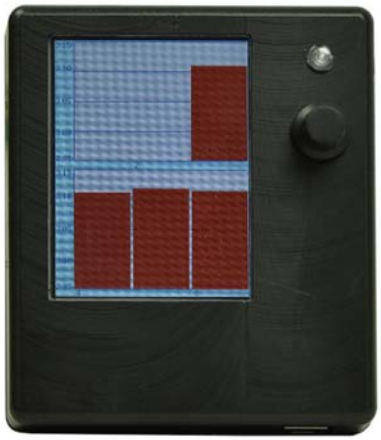
– 4 to 7 cells – or – 4 to 12 cells –

The multicell battery balancer is an active balancer for lithium batteries with capacities over 20 Ah. The balancer is controlled by an external control unit. The input of the battery parameters is password protected, and thus protected from unauthorized access. Adjustable are discharge cut-off voltage and maximum charge voltage, as well as maximum temperature. If the lower cut-off voltage is undercut, if the maximum charge voltage or over-temperature is exceeded, a potential-free contact is switched. This can be used for alarm or controlling a relay to disconnect the battery from the mains. For later evaluations, the recorded data can be read out in csv format. The 12-cell unit is



Multicell battery balancer for 7 and 12 cells
P/N: BMS.040007, BMS.040012

Control unit



Display cell voltage

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Technical data

Manufacturer's part number (P/N):	
- BMS for 7 cells :	BMS.040007
- BMS for 12 cells :	BMS.040012
Max voltage:	31.5 V (for the unit 7 cells); 54 V (for the unit 12 cells)
Average Battery Balancing Current:	2.2 A to 2.6 A
Balancing Efficiency:	92 %
Cell Voltage Range:	3.2 V to 4.5 V
Number of Cells:	4 to 7 or 4 to 12
Number of external temperature sensors:	0 to 2 (alarm threshold adjustable) for each unit
Internal temperature sensor:	1
Outputs for Alerts:	2
Download of measuring:	with USB
Ambient temperature BMS:	-40 to +75 °C
Ambient temperature Display:	-20 to +70 °C
Dimensions BMS 7 (H x W x D):	180 x 120 x 20 mm
Dimensions BMS 12 (H x W x D):	280 x 120 x 20 mm
Dimensions control Unit (H x W x D):	115 x 100 x 70 mm
Language display:	Arabic, Dansk, Dutch, English, French, German, Lithuanian, Portuguese, Russian
Display:	Display 3.5" TFT LCD 320 X RGB x 240 for indication of batterie voltage, cell voltage, history, temperature
Declaration of conformity:	CE conformity

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