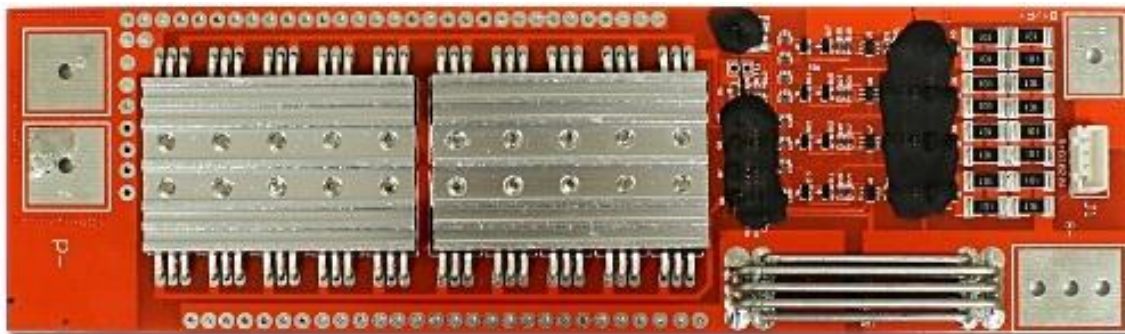


## SBM04/60 Board 4cells (12V/60A)

Model name	SBM 04/60	GWL/Power Simple Battery Management Board 4 cells (12V/60A)
Voltage	Charging voltage	C:14,4V 3.6V/Cell
	Balance voltage for single cell	3.6V±0.003V
Current	Balance current for single cell	72±10mA
	Current consumption for single cell	≤20µA
	Max. continuous current	60A
Overcharge Protection	Over charge detection voltage	3.90V±0.025V
	Over charge detection delay time	0.96S~1.4S
	Over charge release voltage	3.80±0.025V
Over-discharge Protection	Over discharge detection voltage	2.0±0.05V
	Over discharge detection delay time	115~173mS
	Over discharge release voltage	2.3±0.05V
Over Current Protection	Over current detection voltage	0.62V
	Over current detection current	200±30A
	Detection delay time	7.2ms~11ms
	Release condition	Automatic Recovery
Short Protection	Detection condition	Exterior short circuit
	Detection delay time	200-500µs
	Release condition	Automatic Recovery
Resistance	Protection circuitry	≤20mΩ
Temperature	Operating temperature range	-40~85°C
	Storage temperature range	-40~125°C
Dimensions	L * W * T	120 * 80 * 30mm
Weight	100g	Grams (tolerance +/- 1g)



### Remarks:

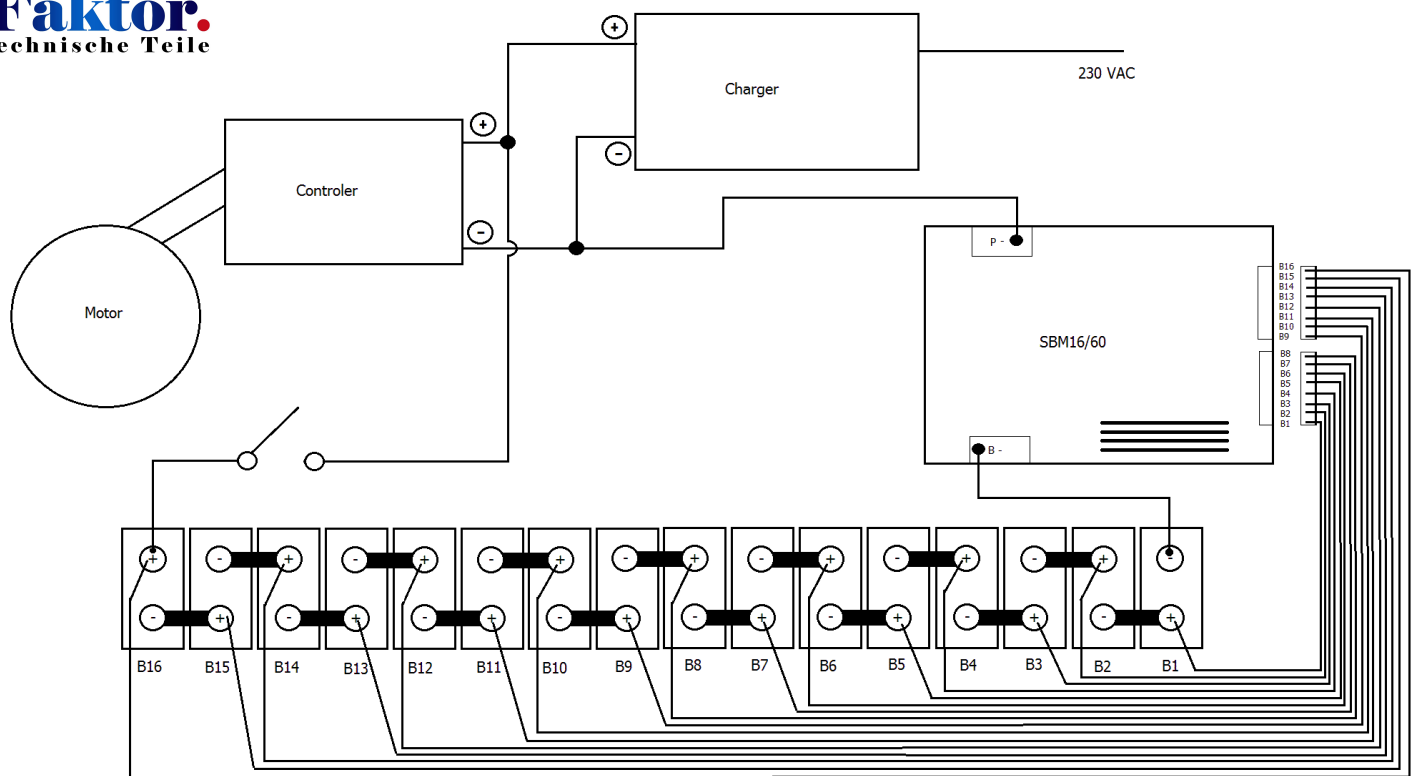
Please follow the connecting drawing to arrange the wire to B-,B1,B2...B+)

The P+ can be lead out from the positive of the battery pack also.

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## Wiring diagram for SBM16/60

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This schema is applicable to every SBM modules with difference in number of monitored cells.

Only certain number of cells can be used for certain version of SBM. I.e. SBM16/60 is only for 16 cells, etc.