

Voltion Digital BMS *For 5-12s Li-ion/Li-Polymer Battery Packs*



Features

- It easily monitors and manages up to 5-12 cells in any lithium battery in 0-5v cell voltage range.
- To prevent the battery packs from overcharge, overdischarge, over current, over temperature, short circuit ;
- With cell balance/equilibrium function;
- Compatible with both Li-ion and Li-Polymer cells.
- With PC interface, configuration and monitoring battery parameter
- After battery pack is fully charged. BMS will detect each cell's voltage and trim higher voltage down until other cells reach the same voltage level.

Specifications

PC Interface	Voltion Digital BMS V1.0	Win7 or later
Current	Maximal continuous charging current Maximal continuous discharging current Current consumption	5A (adjustable) 25A (adjustable) ≤20μA
Overcharge Protection	Over charge detection voltage Over charge detection delay time Over charge release voltage	4.20 ± 0.025V (adjustable) 0.5~2S 4.10 ± 0.05V
Over Discharge Protection	Over discharge detection voltage Over discharge detection delay time Over discharge release voltage	2.80 ± 0.05V (adjustable) 50 ~ 200mS 2.80 ± 0.1V
Over Current Protection	Over current detection voltage Over current detection current Over current detection delay time Release condition	0.1V~0.2V 30A (adjustable) 1 ~ 2S Cut load, Automatically recovery
Balance	Balance voltage for single cell Balance current for single cell	4.00 ± 0.025V (adjustable) 400 ± 10mA
Resistance	Inner resistance	≤20mΩ
Temperature	Operating temperature range (Automatically Closed)	0~ +60°C (adjustable)
Size(L*W*T)	L140*W82*T13mm	