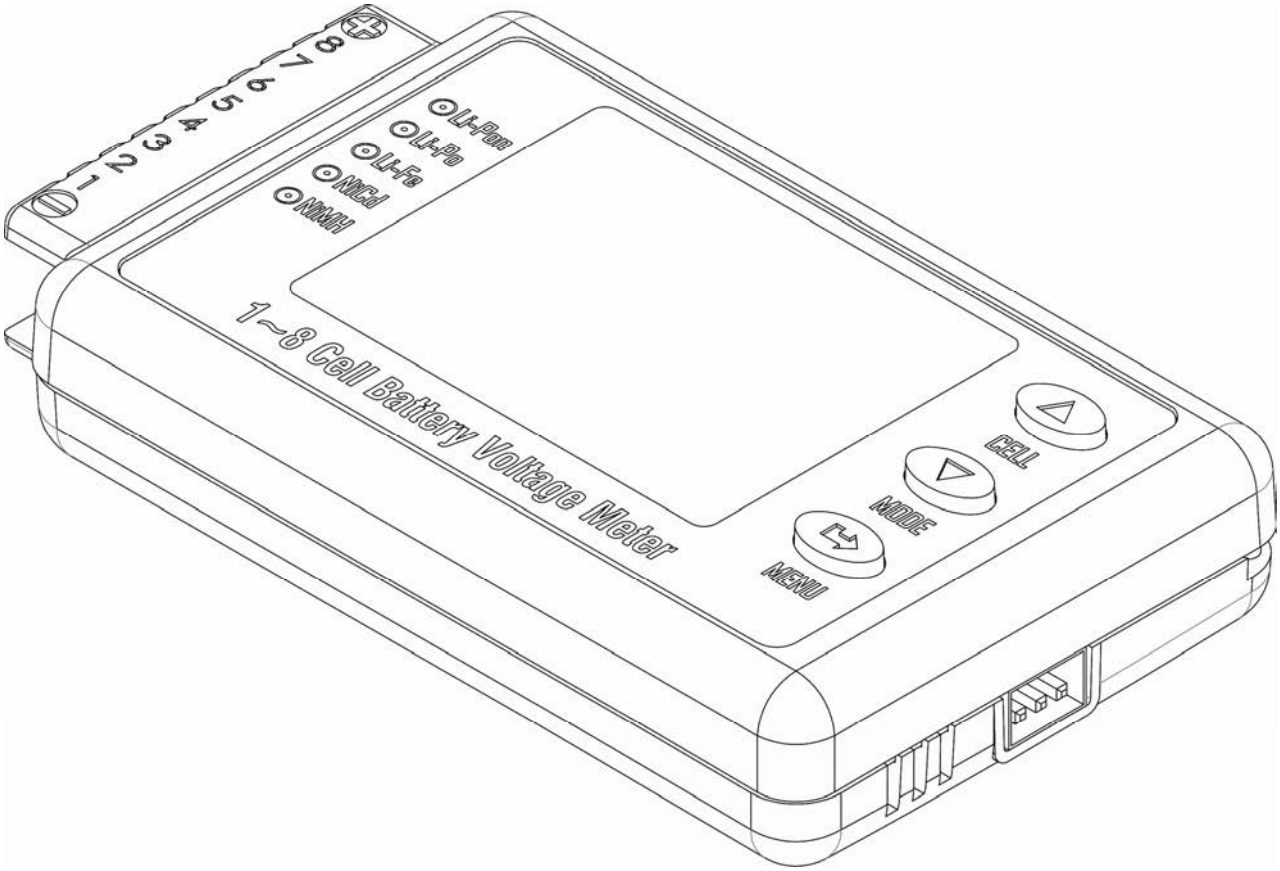
BVM-8S

1~8 Cell Battery Voltage Meter



USER'S MANUAL

Thank you for purchasing the Battery Voltage Meter. Please read the entire User's Manual completely and attentively as it contains a wide variety of specific programming and safety information.

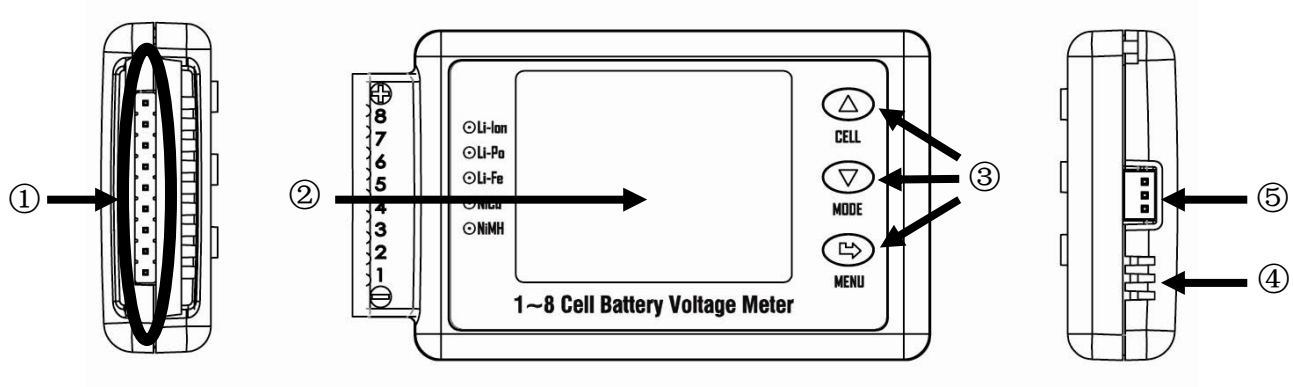
Specifications

Lithium (LiPo/LiIo/LiFe) battery cell count:	1 ~ 8 Cell
Pack voltage range:	3.3~24.0V
Cell voltage range:	0.5~5.0V
Alarm cell Low voltage range:	2.00~4.00V
Voltage display resolution:	0.001V
Current loading of test:	24mA
Weight:	23g
Dimensions (L X W X D):	67X39X13mm

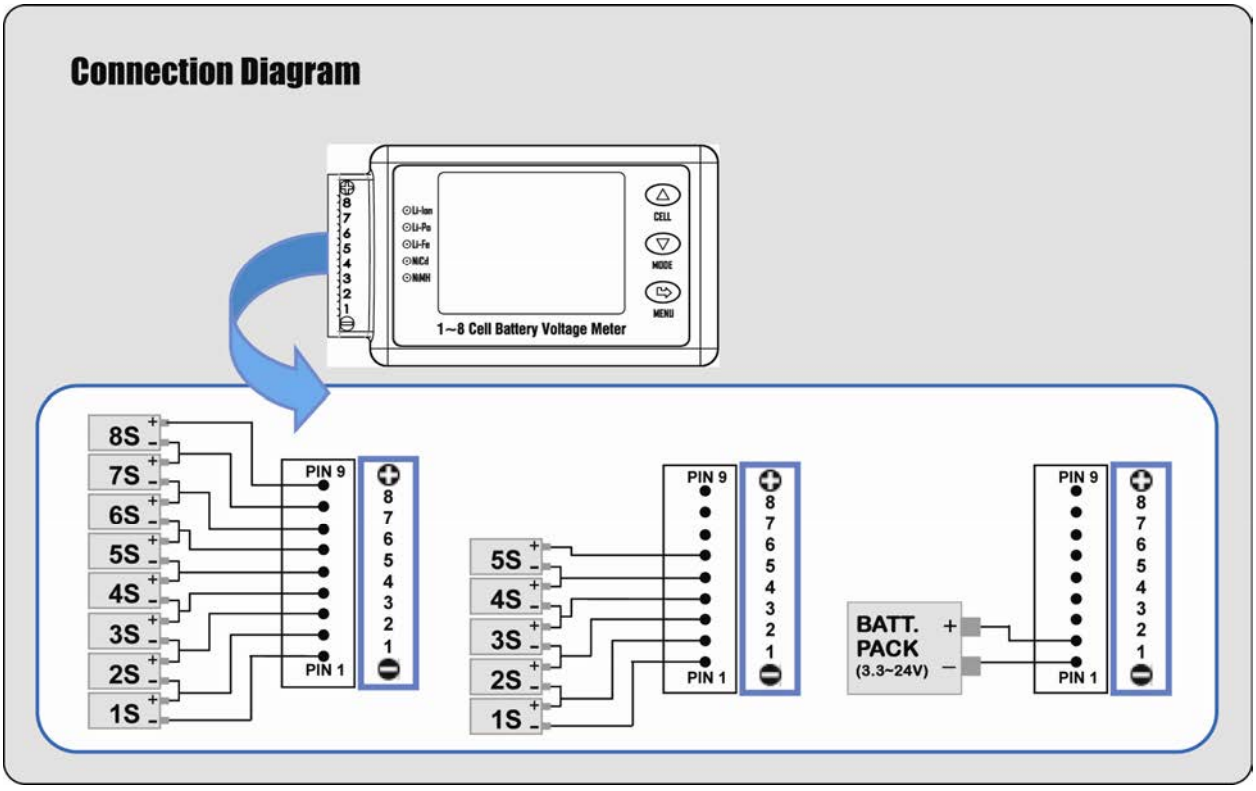
Special features

- Small size with multiple functions, backlight 128x64 lattices LCD and Buzzer Tone Reminder; the interface can be operated smoothly.
- Battery Voltage Meter can not only measure 1-8Cell Li battery individual voltage, but also measure NiMH, NiCd, Pb battery pack voltage.
- It can be set Individual Voltage Alarm , Low Voltage Alarm, Differential Voltage Alarm. What's more, the extra alarm output can be linkage controlled by the users.
- It has 5 sets default monitor alarm settings, which can be selected for different battery packs.
- Battery Voltage Meter has been 100% calibrated before it enters to the market.

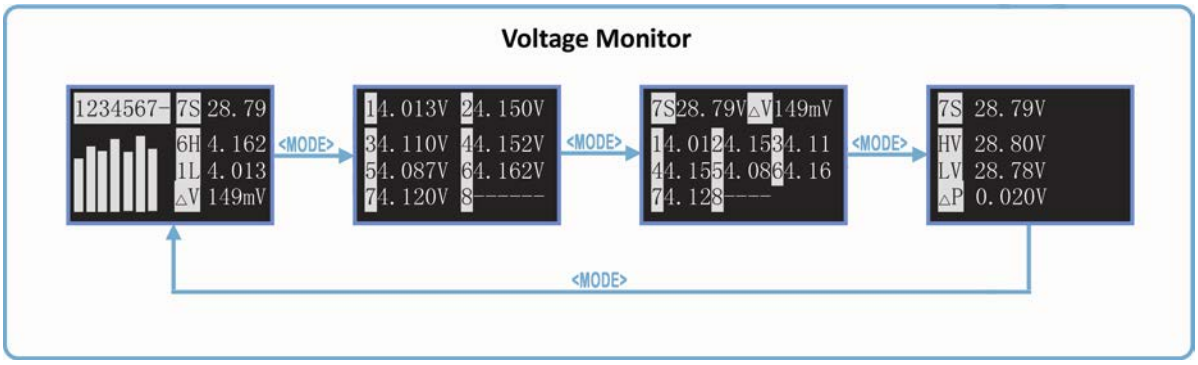
External controls and connections

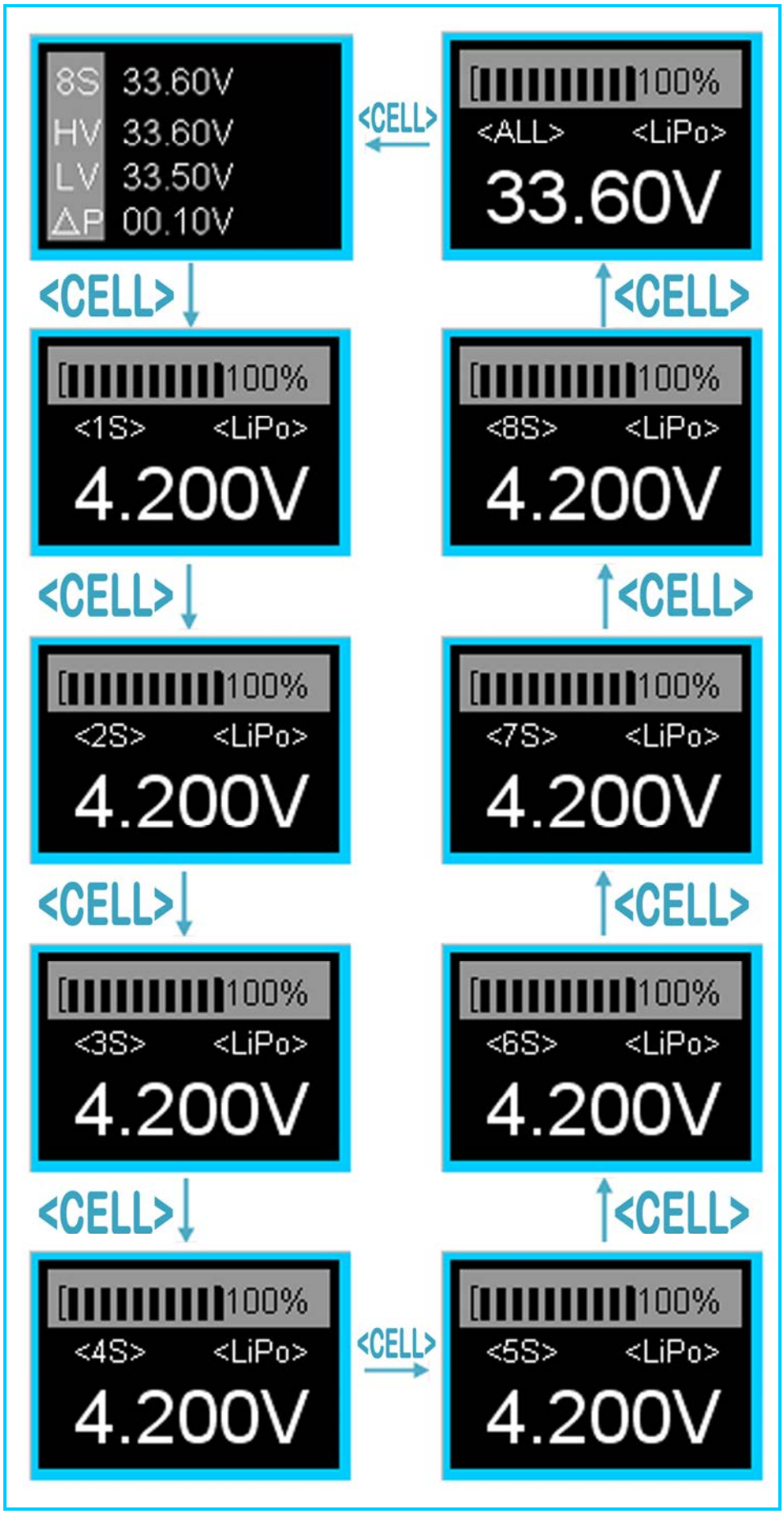


1. Input plug 2. LCDs creen 3. Function button 4. Beep 5. Alarm port



Program flow chart




8S 33.60V
HV 33.60V
LV 33.50V
ΔP 00.10V
<CELL>
100%
<ALL> <LiPo>
33.60V
<CELL>
<CELL>
100%
<1S> <LiPo>
4.200V
100%
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4.200V
<CELL>
<CELL>
100%
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100%
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4.200V
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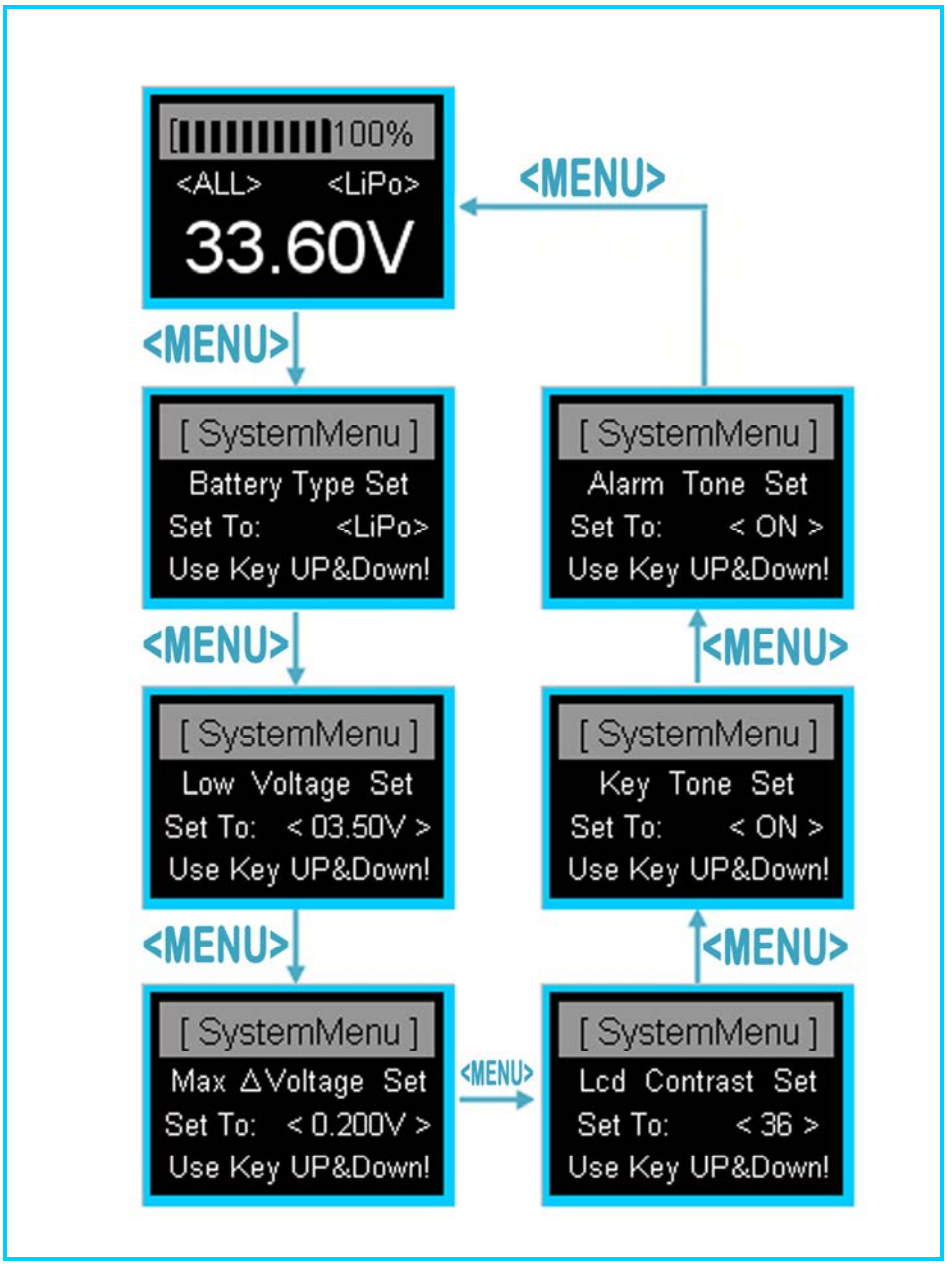
<CELL>
100%
<4S> <LiPo>
4.200V
<CELL>
100%
<5S> <LiPo>
4.200V

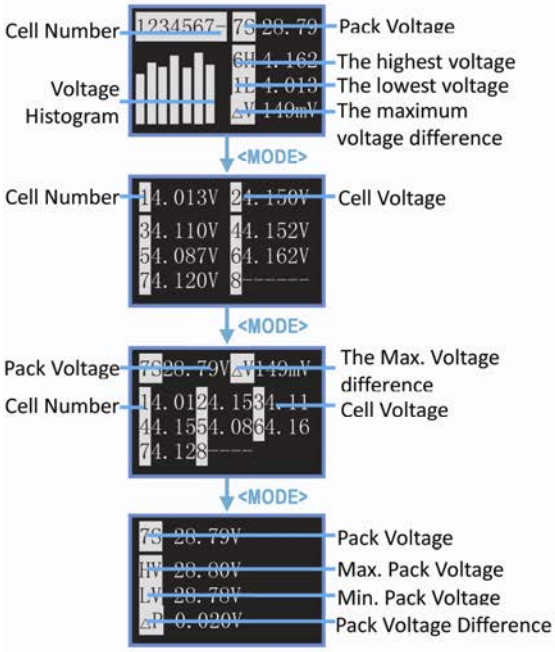


Symbol Meanings:

Display Symbols	The meaning of the Symbols	Note
nS	total voltage of the pack	n:0-8, the cell count
nH	the highest individual cell voltage	n:0-8, the highest cell number
nL	the lowest individual cell voltage	n:0-8, the lowest cell number
△V	the maximum voltage difference between the cells	△V = nH - nL
HV	The voltage maximum value	
LV	the voltage minimum value	
△P	the pack maximum voltage difference	△P = HV - LV

- **Voltage Monitor**

There are 4 interface choices, which can be shifted by **<▲> or <▼>**buttons.



As the left pictures: the '7' in "7S" means cell counts; '6H' means the 6th cell voltage is the highest; '1L' means the 1st cell voltage is the lowest.

If the monitor voltage trigger alarm, the corresponding voltage and alarm display (LOW, OVER or DIFF) shows alternatively.

The cell number and (L, O, D) shows alternatively.

'**LOW**' or '**L**' means: Low voltage alarm

'**OVER**' or '**O**' means: Over voltage alarm

'**DIFF**' or '**D**' means: Voltage difference alarm. They will be displayed at the same time at the highest and the lowest cell voltage interface.

Monitor the pack voltage

Display respectively: Current pack voltage, Max. Pack voltage, Min. Pack voltage, Pack voltage difference. (△P = HV−LV)

- **In the voltage display mode, press the MENU key for 2 seconds to save display mode, the next boot will follow the saved display mode.**