

# Multi Battery Indicator with Hour Meter

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RoHS  
Compliant



## Function Description

1. Battery indicator
  - A. When the key switch is connected, it will recognize the current voltage range of 12V/24V/36V/48V and display the remaining battery capacity automatically.
  - B. Delay function: Decline one LED by one LED per 155S when discharging. Rise one LED by one LED per 200s when charging.
  - C. Battery capacity display mode: LED
  - D. Discharge curve: 19 groups of battery curves can be selected; 1 group of user-defined discharge curve.
2. Voltmeter function: real-time measure the current voltage, display mode:xx.xxV.
3. Hour meter function
  - A. Timing method: Two methods, connected to positive pole or negative pole of the battery to timing.
  - B. Timing range: 0-999999H. The resolution is 0.1H when 0.0-99999.9H; The resolution is 1H when 100000-999999H.
  - C. Timing type: Partial timing and total timing; Partial timing is resettable, total timing is not resettable;
4. Display Mode: The working parameter and information are displayed by 6 digits LCD screen; The remaining battery capacity is displayed by 10 LED bars.
5. Data storage: Inner EEPROM, can store the data (like working hours, etc) around 20 years;
6. Relay output function
  - A. Battery capacity >10%, relay will be NC.
  - B. Battery capacity ≤10%, relay will be NO.

## Specification

Product Name	: Battery Indicator with Hour Meter
TOT hours range	: 0-999999H
Timing Accuracy	: 0.1H/1H
Operating voltage	: DC 12V / 24V / 36V / 48V
Working temperature	: -20°C TO 65°C
Voltage accuracy	: ±0.5%
Charging delay time	: 200s
Delay time of every bar	: 155s
Display screen	: LED+LCD
Screen size	: 25.4mm × 7.7mm
Product dimension	: Φ56mm × 65mm
Applicable type of battery	: 19 types battery type
Internal battery	: CR2430 270mAh
Housing material	: ABS
Waterproof rate	: IP65
Operation temperature	: -20°C to 65°C
Weight	: 108g

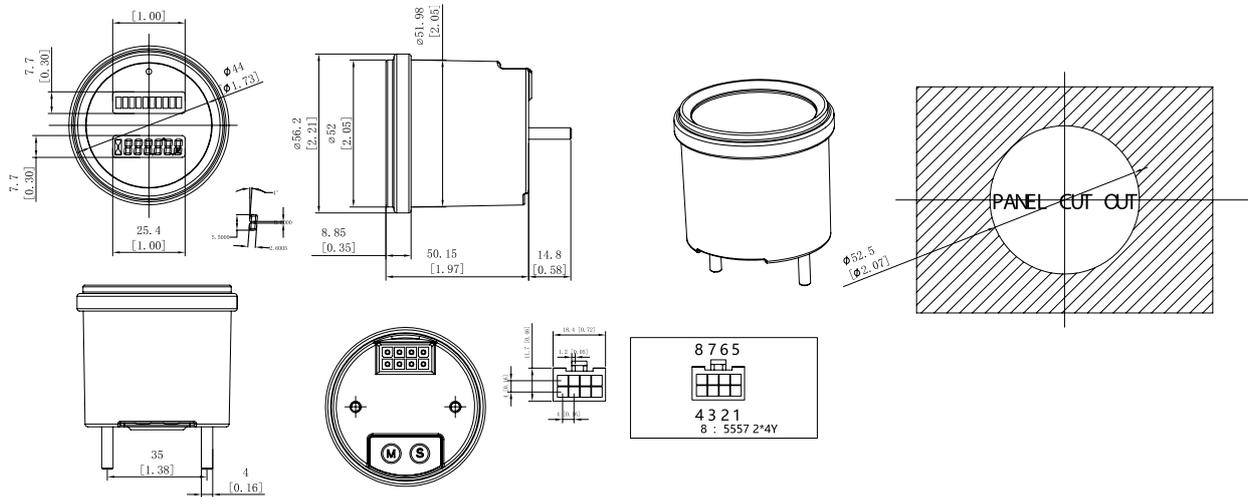
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## Diagram



Dimensions : Millimetres

1	Timing control terminal. Connect to battery negative pole.
2	Key switch. Connect to battery positive pole.
3/4	Relay output terminal.
5	Power input negative terminal. Connect to battery negative pole.
6	Timing control terminal. Connect to battery positive pole.
7	Positive pole of battery input. (12V or 36V), connect to battery positive pole.
8	Positive pole of battery input. (24V or 48V), connect to battery positive pole.

## Part Number Table

Description	Part Number
Battery Indicator with Hour Meter, 12/24V/36V/48V, LED+LCD	MP011722

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