

# LED Battery meter

## Functional description

1. Scan from "F" to "E" when connected with power.
2. The meter will automatically distinguish the current battery power when the meter connected to the battery.
3. When the battery voltage is lower than the current bar and keeps for 155S, 1 bar drops on the meter. The working way is that the voltage level is declining one LED bar by one LED bar. The delay time among each bar is 155 seconds.
4. When the battery voltage is higher than the charging voltage of current bar, the charging is going on. The charging status refers to the first bar to the current bar. The working way of charging is that the voltage level is ascending one LED bar by one LED bar. The delay time among each bar is 200 seconds.
5. When disconnect with battery and reconnected to battery, the meter will retest the current battery power and display the related voltage bar.

## Remarks:

1. Make sure to apply the proper voltage on the indicator. Failure to apply the proper voltage will cause the indicator not to work normally.
2. Make sure terminal C is connected to positive pole of battery or terminal C is connected to positive pole of battery through key switch. If not, the indicator will scan from full to empty then shut off.
3. Make sure the voltage match with the indicator. If not, red light, yellow light and green light will be on. If the actual voltage is extremely more higher than the rated voltage, the indicator may be ruined.

## Specifications

Capacity	1 Red 2 yellow 7 Green color LED for indicator
Resolution	10% per LED segment
Operating Voltage	12/24V,36V,48V,72V
Operating current	20 mA nominal
Storage and Operating	-20° to +85°C Temperature
Tolerance	+/- 0.5%
Polarity	Positive/Negative/C (R optional)
Case Style	Front panel mount

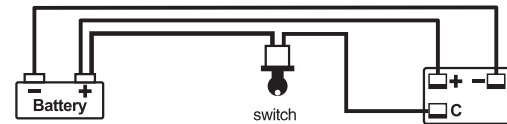
## Wiring Diagram

### +/-/c connection



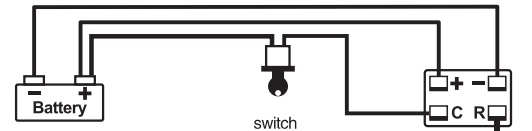
No switch. LED lights will be always on when connected to the battery.

### +/-/c connection



Switch available. LED lights can be turned off.

### +/-/c/R connection



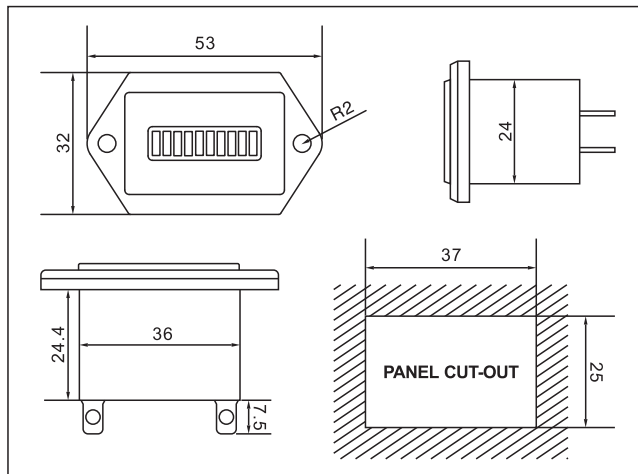
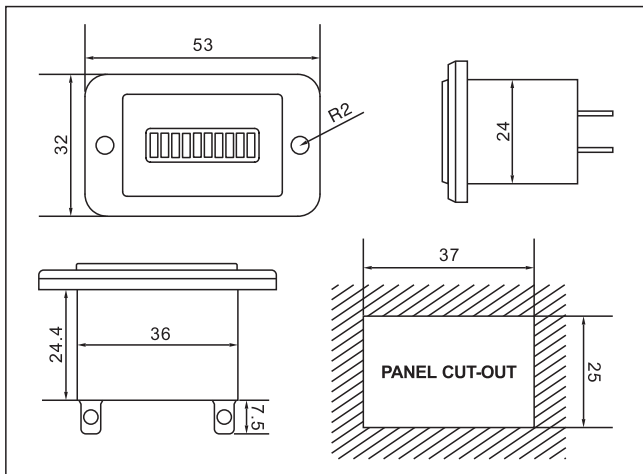
R Terminal for signal output

When battery capacity is more than 10%, the output voltage is 5V.

When battery capacity is less than 10%, the output voltage is 0V.

OUTPUT  
5V/0V

## Product size



## Working voltage of every bar

Voltage	≤ 1	2	3	4	5	6	7	8	9	10
12V	10.38	10.59	10.8	11.01	11.22	11.43	11.64	11.85	12.3	≥ 12.3
24V	20.76	21.18	21.6	22.02	22.44	22.86	23.28	23.7	24.6	≥ 24.6
36V	31.14	31.77	32.4	33.03	33.66	34.29	34.92	35.55	36.9	≥ 36.9
48V	41.52	42.36	43.2	44.04	44.88	45.72	46.56	47.4	49.2	≥ 49.2
72V	62.28	63.54	64.8	66.06	67.32	68.58	69.84	71.1	73.8	≥ 73.8
Display Mode	1#—2# flash Alternately (frequency :1Hz)	Only 2# flash (frequency :1Hz)	Only 3# lit	Only 4# lit	Only 5# lit	Only 6# lit	Only 7# lit	Only 8# lit	Only 9# lit	Only 10# lit
Display colors of LED	Red	Yellow	Yellow	Green	Green	Green	Green	Green	Green	Green
Delay	Delay 155s / bar from full to empty.									

**LATNEX® Canada-EMR Shielding Solutions Inc.**

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