Battery indicator

SL-BI012

12V 24V 36V 48V LCD battery indicator battery charge gauge and hour meter for DC powered equipment such as fork lifts, golf carts, floor care equipment, and any other battery powered equipment.

PRODUCTS DESCRIPTION

large LCD Green backlight SL-BI012 Battery Indicator with hour meter. It can work on most all batteries include Lead-acid storage battery, GEL battery, LiFeO4 battery,

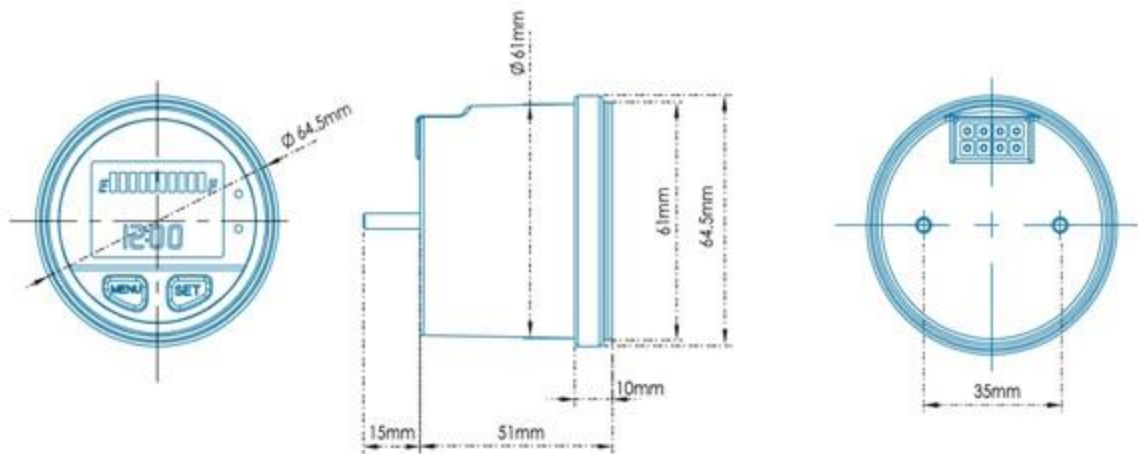AGM battery and other battery.It has a powerful battery indicator system and some other unique design.

Battery Indicator System Including: Current battery level,current voltage display,Delay Display Function,Charging voltage settable,Delay time of rising and falling,Overvoltage and undervoltage alert,etc.

Hour Meter System Including: Total running hours **TOT**, maintenance time SVC, CLOCK. etc.

Unique Design Including: Large LCD, green backlight, internal battery+external power,etc.

Product Model	SL-BI012
Product Size	Φ64.5mm×66mm
Display Screen	LCD + Green Backlight
Screen Size	40.9mmX16.9mm
Button Type	Touch Switch
Operating voltage	DC 12-48V
Timing range	99999H
Timing accuracy	0.1H
Voltage accuracy	0.50%
Internal Battery	CR2450 540mAH
Packing Size	70x70x70mm
N.W.	135g
Waterproof Rate	IP65
Charging delay time	200S
Delay time of every bar	155S
Housing Material	ABS
Package	White box

Battery Indicator with Hour Meter

BATTERY/HOUR

12:00

MENU   SET

SL-BI012

Battery   Voltage   HOUR   SVC   Backlight

Battery Indicator with Hour Meter

1 + **2** + **3**

1 Battery Indicator System
- Current battery level
- Current voltage
- Undervoltage / overvoltage alert
- etc

2 Hour Meter System
- TOT
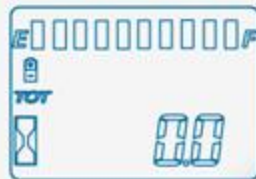- TOT settable
- SVC
- Clock
- etc

3 Unique Design
- Easy Installation
- Waterproof IP65
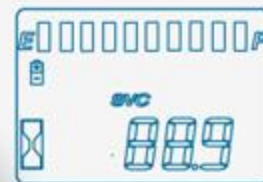- Internal battery + external power
- Green backlight
- etc

Battery Indicator with Hour Meter

Battery

Five main interfaces display by pressing the button.

Total timing interface

E | F
TOT
0.0

SVC interface

E | F
SVC
88.9

Clock interface

E | F
12:00

Voltage interface
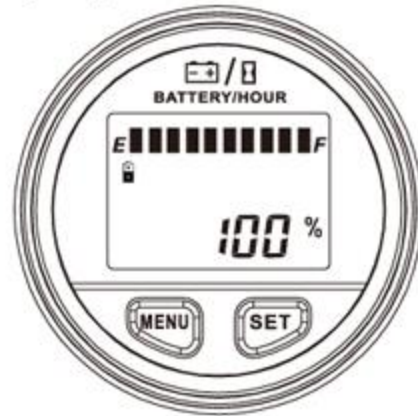
E | F
VOLTS
12.09 v

Power interface

E | F
100%

Battery Indicator System

Battery

Real-time battery level display

10 bar segment battery level display and
percentage of current battery level display

Battery Indicator System

Two battery modes selectable

① **Normal mode** Πor

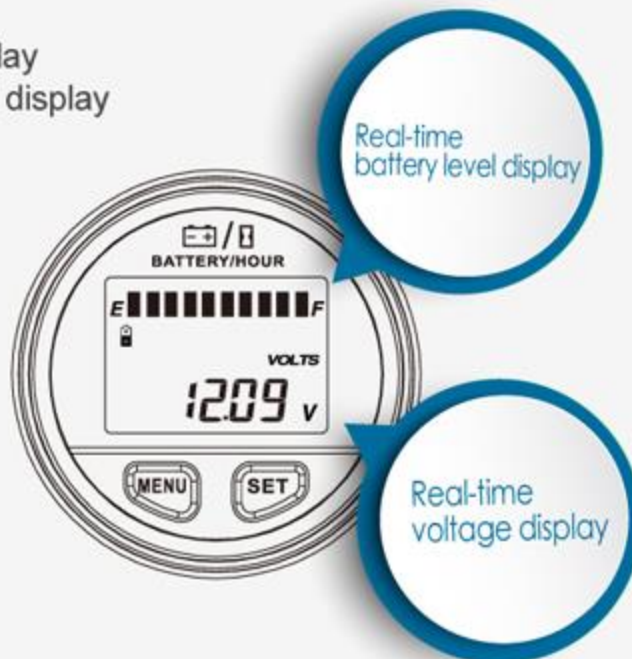This mode has 19 types of voltage ranges which can choose by user.

② **User mode**   U5Er

At this mode, user can set battery empty / full value, battery charging voltage and battery quantity freely.

Battery Indicator System

Voltage and battery level test and display at the same time

Real-time voltage display
Real-time battery level display

BATTERY/HOUR

E F

VOLTS

12.09 v

MENU SET

Real-time
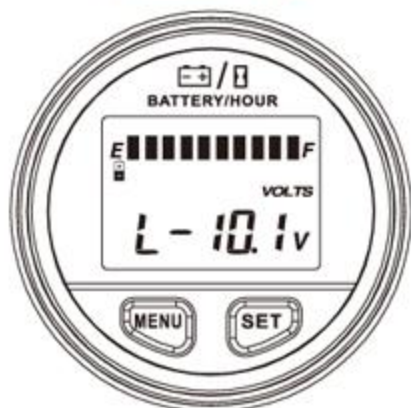battery level display

Real-time
voltage display

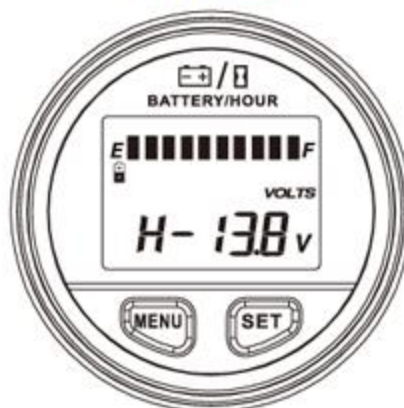# Battery Indicator System

Undervoltage / overvoltage Alert

Undervoltage / overvoltage alert can be set by user to protect the battery

Undervoltage

Setting range: 8-50V/OFF
Default: OFF

Overvoltage

Setting range: 10-60V/OFF
Default: OFF

Battery Indicator System

Delay Display Function

155s delay when battery capacity down suddenly with big power cost Avoid meter display up and down too quick.
Let user knows the actual capacity.

(eg: When a e-bike climb a mountain, meter will display nearly empty,
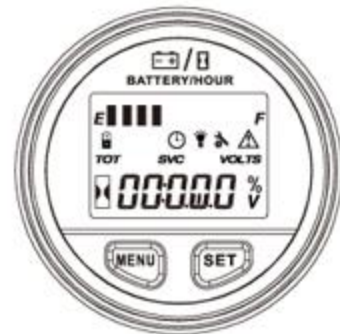but actually it has many power left.)

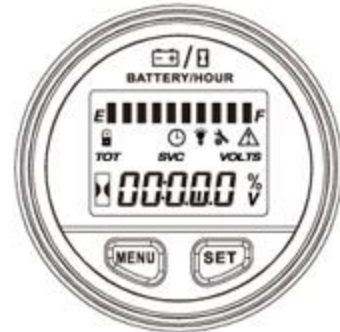**155s**

BATTERY/HOUR

E |||||||||| F
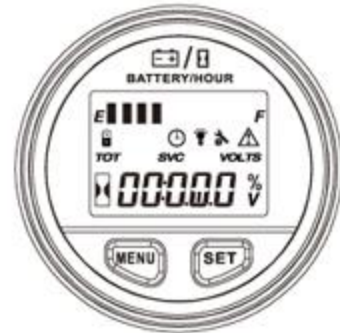
12:00

MENU   SET

Power off Memory Function

When cut power with the meter,
it will record power consumption at the time.

After re-connected with power,
if the battery is fully charged,
battery indicator will display full power.

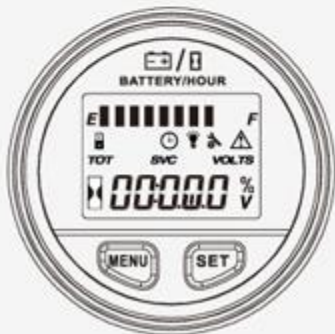When battery is not full powered,
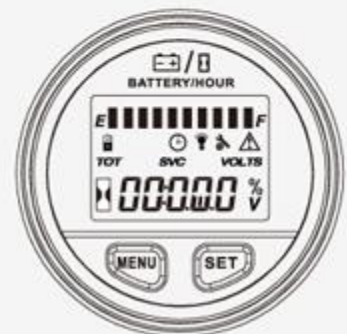it will display when the power is off.

Battery Indicator System

Recognition false battery charging signals Function

Only when battery charging
higher than definite voltage and last more than 200s
can it be recognized to full battery.
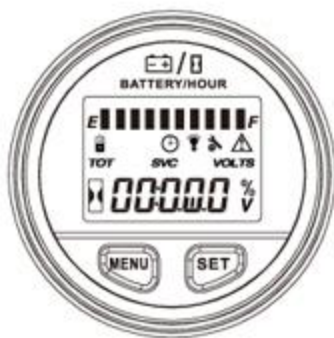
display 10 segments circularly

After **200s**

Battery Indicator System

Meter display only down no up

Meter display can only from full to empty, can not up.
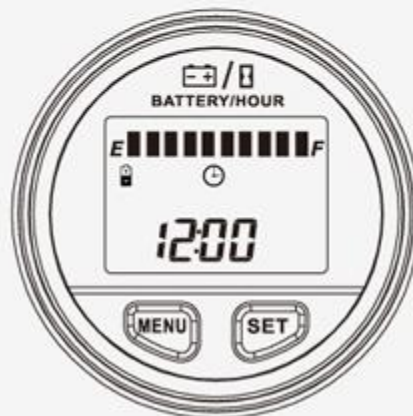While using battery,it will not add capacity midway as we all know.

Battery level indicates
From up to down

Hour Meter System-Clock

Clock: 24-Hour system

Hour Meter System-TOT

Total hours: Accumulating total hours

Accumulating total hours of engine. Range : $0 - 99999_H$
hour resolution is: $0.1_H = 6_{Min}$
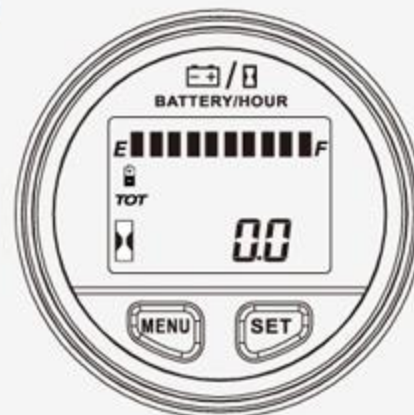When work time more than 9999.9 H,
hour resolution will be 1H.
TOT can be set by user
Setting range: 0-9999.9
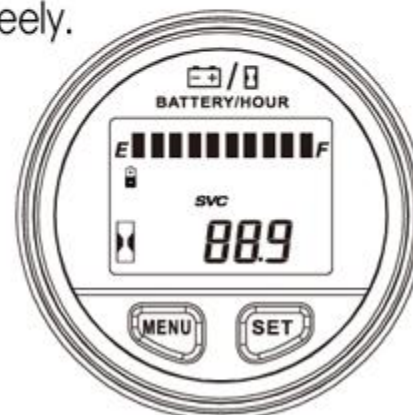
$0 - 99999_H$

$0.1_H = 6_{Min}$

Hour Meter System-SVC

Maintenance time can be set by user freely.
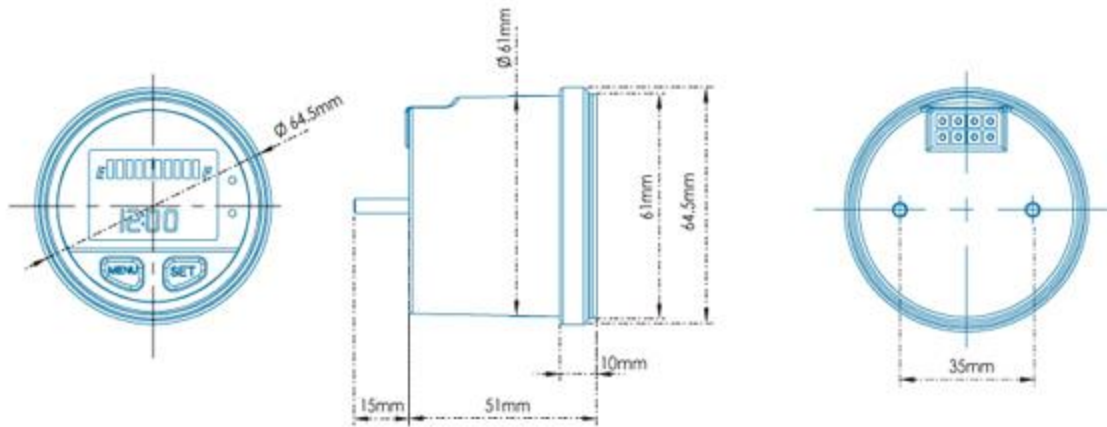
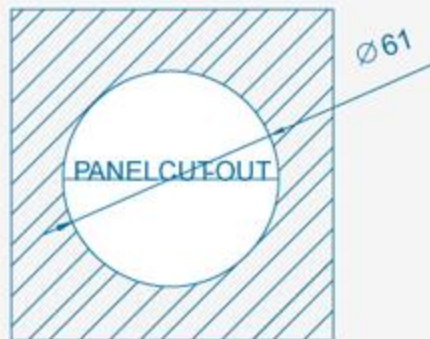Setting range: $0-9999.9H$.

Set to 0 means close this function.

Dimensional Drawing

White box packing, More safe transportation.

Easy to install, complete accessories

Save time and effort, tool-less design

Insert the meter into the mounting plate

Mounting brackets pass through the screws and the top side against the mounting plate, and secured by screw nuts.

Product contactor definition

Enlarge 👉

Docking contactor according definition with the device port one.

1	Timing control terminal. Effective when connected to battery negative pole
2	Key switch. Effective when connected to battery positive pole
3/4	Relay output terminal.
5	Power input negative terminal. Connect to battery negative pole
6	Timing control terminal. Connected to battery positive pole
7	Positive pole of battery
8	Vottage range control terminal. Voltage is 12/36V wen connected to nothing, voltage is 24/48V when connected to negative power supply.

SPECIFICATIONS

		Operating voltage	DC 12-48V	N.W.	135g
Product Name	Battery Indicator with Hour Meter	**Timing range**	99999H	**Waterproof Rate**	IP65
Item Number	SL-BI012	**Timing accuracy**	0.1H	**Charging delay time**	200S
Product Size	Φ64.5mm×66mm	**Voltage accuracy**	0.5%	**Delay time of every bar**	155S
Display Screen	Green backlight LCD	**Internal Battery**	CR2450 540mAH	**Housing Material**	ABS
Screen Size	25.5mm×36mm	**Packing Size**	70x70x70mm	**Package**	White box