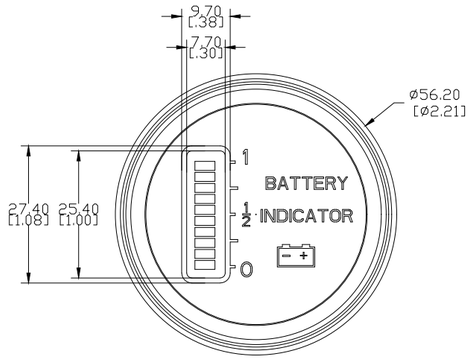
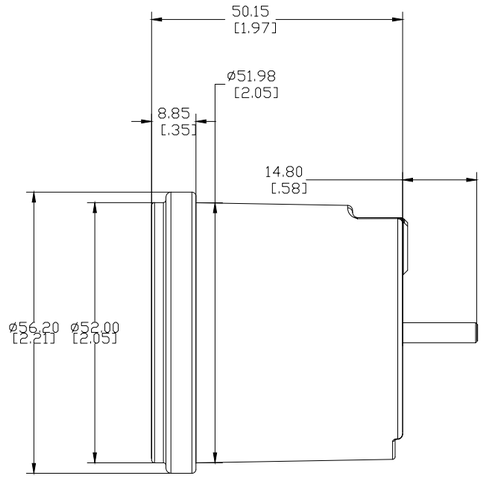
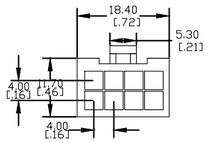
| REVISIONS | | | |
|---|---|---|---|
| REV. | DESCRIPTION | DATE | INIT |
| 0 | INITIAL RELEASE | | |
| 1 | | | |



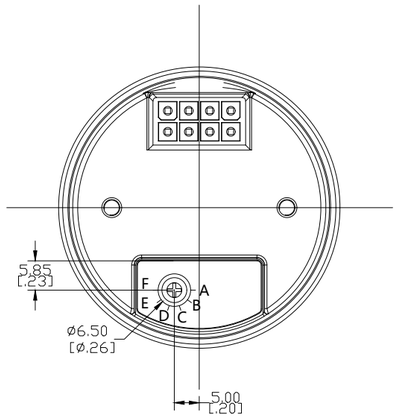



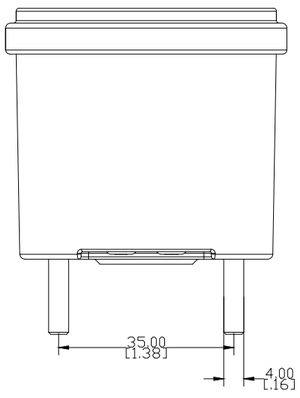

8 7 6 5

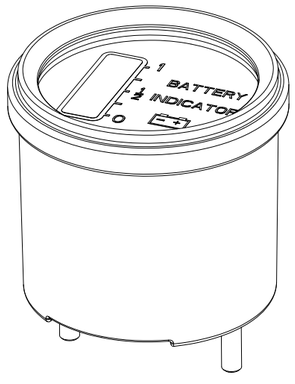
4 3 2 1

8-core connector: 5557 2*4Y black




| | |
|---|---|
| 1/2 | Low current output terminal |
| 3/4 | High current output terminal |
| 5 | Positive pole of power supply, connected to the positive pole of battery |
| 6 | Key switch, connected to the negative pole of battery |
| 7 | Positive pole of power input terminal, connected to the positive pole of power supply, range from DC 8-45V |
| 8 | Positive pole of power input terminal, connected to the positive pole of power supply, range from DC 18-60V |




1.Display:
●Battery power display way: 10XLED lights, 1Xred light, 2Xyelow lights and 7Xgreen lights.

2.Battery testing function:
●When key switch is turned on, the gauge automatically recognizes the battery voltages-12V/24V/36V/48V as well as the remaining battery power.
●The delay display function of battery power: The battery power is going down one LED bar by one LED bar when discharging. The delay time among each LED bar is 155 seconds.The battery power is going up one LED bar by one LED bar when charging. The delay time among each LED bar is 200 seconds..
●It fits for 6 kinds of voltage discharge curves available.

3.Output function:
●When battery power ≥ 20%, the relay at High/Low current output ports will be turned on.;
●When 10% < battery power < 20%, the relay at High current output port will be turned off, the relay at Low current output port will be turned on;
●When battery power < 10%, the relay at High/Low current output ports will be turned off.;

| Items | A | B | C | D | E | F |
|---|---|---|---|---|---|---|
| Battery empty value | 1.73 | 1.85 | 1.75 | 1.90 | 1.98 | 1.63 |
| Battery full value | 2.04 | 2.02 | 1.97 | 2.03 | 2.08 | 1.97 |
| Charging voltage value | 2.08 | 1.97 | 2.01 | 2.07 | 2.12 | 2.02 |

| Items | Parameters |
|---|---|
| Operating voltage | DC 8-60V |
| Housing material | ABS |
| Operating temperature | -20 TO 65℃ |
| Product dimension | φ56mm*65mm |
| Display window size | 25.4mm*7.7mm |
| Waterproof level | IP65 |
| Weight | 108g |

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TOLERANCES ARE:
.X± .1
.XX± .02
.XXX± .005
X° 1°

COMPUTER GENRATED DRAWING-NO MANUAL CHANGES ALLOWED

DRAWN | DATE
CHECKED | DATE
APPROVEO | DATE
MATERIAL: N/A
FINISH: N/A
DO NOT SCALE DRAWING
PROJECTED VIEWS ARE 3RD ANGLE
STATUS: DS4_DESIGN

Runleader®
NINGBO JIANGBEI RUN LEADER ELECTRONICS CO., LTD
WWW.RUN-LEADER.COM

TITLE: Battery Indicator
SIZE: B | PART.NO.: RL-BI011A
SCALE: NTS | SHEET: 1 OF 1 | PROJECT NO.: 108 | REVISION: 0