



Go Power![®]

GP-BMK-50

BATTERY MONITOR

The Ultimate Way to Monitor Your Battery

Get full transparency into your battery bank's performance with the Go Power! Battery Monitor Kit (GP-BMK-50). Monitor essential battery statistics including:

- Voltage
- Current
- Power
- Ampere-hours consumed
- State of charge
- Remaining time at current rate of discharge

Easy to Use and Understand

Previously, complex software was needed to assess a solar battery's capacity, ampere hours consumed, discharge current, temperature and more. With the new GP-BMK-50, get easy to understand battery stats at the push of a button.

Features

- 500-amp quick connect battery shunt connection kit
- Go Power! Bluetooth communication port
- Programmable relay, allowing turn off of non-critical loads or run a generator when required
- 5 year limited warranty

The GP-BMK-50 is ideal for:

- Battery bank monitoring of any size
- RV, marine and other off-grid applications
- Battery systems OF 12, 24, and 48 nominal volts

The management system governing the manufacture of this product is ISO 90001:2008 certified.



GP-BMK-50 BATTERY MONITOR



BLUETOOTH DONGLE (GP-BTD)

(Sold Separately)

Pair the Go Power! Battery Monitor with the optional Bluetooth Dongle (GP-BTD) to view essential battery information remotely.

GO POWER! CONNECT

Access your device using Bluetooth through the Go Power! Connect app to view charging stats, set voltage alarms, and view historical data.





GP-BMK-50

BATTERY MONITOR

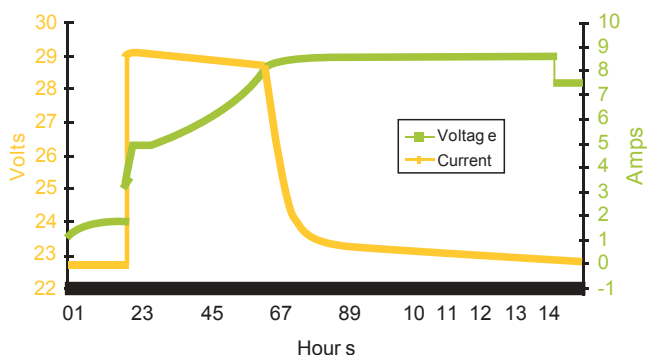
SPECIFICATIONS

Supply voltage range	6.5-95 VDC
Current draw, back light off	< 4mA
Input voltage range, auxiliary battery	n/a
Battery capacity (Ah)	20-9999 Ah
Operating temperature range	-40 °C - 50 °C (-40°F - 120°F)
Measures voltage of second battery or temperature or midpoint	No
Temperature measurement range	-20 °C - 50 °C
Go Power! Bluetooth	Yes
Relay	60V/1A normally open (function may be inverted)

RESOLUTION AND ACCURACY (with 500 Amp Battery Connector)

Current	±0.01
Voltage	±0.01
Amp hours	±0.1 Ah
State of charge (0-100%)	±0.1 Ah
Time to go	±1 min
Temperature (0 °C - 50 °C or 30°F - 120°F)	n/a
Accuracy of current measurement	±0.4
Accuracy of voltage measurement	±0.3

CURVE PARAMETERS



INSTALLATION & DIMENSIONS

Installation	Flush mount
Front	63 diameter
Front bezel	69 x 69 mm (2.7x2.7 inches)
Body diameter	52 mm
Body depth	31 mm

STANDARDS

Safety	EN 60335-1
Emission/Immunity	EN 55014-1 / EN 55014-2
Automotive	ECE R10-4 / EN 50498

ACCESSORIES

Battery connector (included)	500A/50mV
Cables (included)	10 meter 6 core UTP with RJ12 connectors and cable with fuse for '+' connection
Temperature Sensor	Optional

Specifications subject to local environmental conditions.
Specifications may be subject to change.

© 2018, Go Power!
Document: SPEC_GP-BMV-50_RevA.v4