

# SmartGauge Battery Monitor

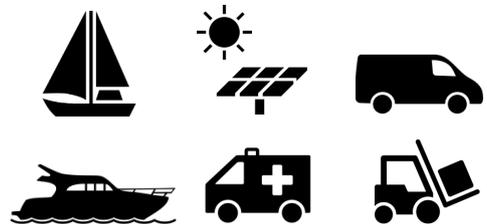


- Model Based Battery Monitor
- Does not run out of synchronisation with batteries. Much more accurate than basic Ah counters
- Provides voltage and SoC% for auxiliary battery and voltage of engine start battery
- High/Low voltage and SoC% alarms
- Alarm contacts for auto start/stop of generators, load shedding, external alarms etc.
- Simple 2/3 wire installation & set-up

SmartGauge is renowned as The World's Most Accurate Battery Monitor. It's also the easiest to install and use.

SmartGauge overcomes all the problems and disadvantages commonly associated with conventional amp-hour based battery monitors. These include: Loss of synchronisation, display inaccuracy, requirement of regular resetting, complex and time consuming installation and requirement that the user has to have an understanding of batteries.

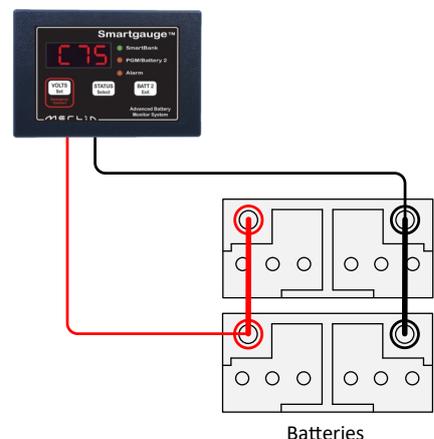
Once users understand the level of power left in their battery they can answer highly useful questions like "are the batteries charged yet?", "When should I start the engine/generator?", "Is there enough power to run that piece of equipment?" - if operators of vehicles/equipment not normally versed in the way of batteries can answer those questions, you can improve reliability & efficiency of your fleet by ensuring that batteries are properly cared for.



## Installation Example:

SmartGauge installs using just two wires across the Positive (+) and Negative (-) of a 12V battery bank. Any battery bank of 12 or 24V DC may be monitored with any number of connected batteries up to 2000Ah. A second battery may also be monitored (voltage only) with a third wire.

SmartGauge is supplied with a convenient fitting kit that includes fuses and fuse holders.



# SmartGauge Battery Monitor

## Specifications:

<b>PART #</b>	<b>19-1001</b>
VOLTAGE	12 or 24V DC
VOLTAGE RANGE	9-40V DC
12V MEASUREMENT RANGE	9-17V DC
24V MEASUREMENT RANGE	18-34V DC
POWER CONSUMPTION (SLEEP)	<5mA
POWER CONSUMPTION (DISPLAY ON)	<15mA
RECOMMENDED BATTERY SIZE	50-2000 AH
OVERALL DIMENSIONS LxWxH MM (INCHES)	112 x 77 x 29 (4.41 x 3.03 x 1.14)
WEIGHT GRAMMES (POUNDS)	905 (0.20)
COMPLIANCE	EMC89/336/EEC, CE



**SmartGauge Display:** In stand-alone mode, SmartGauge will display the voltage of the main auxiliary battery. Pressing Status will show auxiliary battery State of Charge %. SmartGauge will display the voltage of a second battery by pressing the Voltage button twice.

When interfaced with SmartBank Advanced, SmartBank PRO or SmartGuard COMBI, SmartGauge displays Split Charging Status. Pressing the Volts & Status buttons simultaneously for five seconds will activate Emergency Parallel.

Interfacing SmartBank PRO, SmartBank Advanced or SmartGuard PRO is easy – plug in and SmartGauge will self configure the split charging system (settings can be manually over-riden if required).

## SmartBank Advanced

With super accurate battery monitoring data, what other device could possibly be better placed than SmartGauge to control split charging in your system?

As well as being a battery monitor, SmartGauge doubles as a remote display and control panel for split charging.

Check SmartBank Advanced Datasheet for more information.



All specifications are provided in best possible faith but may be subject to change without notice. The Merlin Logo, slogan "The Power People", M-Power & SmartGauge are trade marks of Merlin Equipment Limited. All business is transacted according to our Standard Terms & Conditions, a copy of which is available upon request.