

# Monitor battery voltage levels instantly



REDARC Battery Voltage Monitoring Gauges enable immediate visual and auditory monitoring of key battery performance level functions, such as the start and/or auxiliary battery voltage levels and current draw when combined with an optional Hall Effect Current Sensor (GS-AMPS).

Tailored to meet the requirements of 4WD (overlanding), campers, caravans, motorhomes and similar vehicles, the gauges are designed to withstand the harshest conditions.

Simple to install and operate, the gauges are finished with a satin chrome bezel and have thirteen main backlight color options to choose from - with two additional programmable alert backlight colors with audible beeps.

Both the REDARC Single (G52-VA) and Dual Voltage (G52-VVA) Gauges have an LCD/LED display to easily monitor charging performance of both the start and/or the auxiliary batteries for immediate alerts of a system failure or an overcharged battery.

There is also a wide range of accessories that enhance the operation and installation of REDARC Voltage Monitoring Gauges.

## Look at all the benefits...

- Avoid breakdowns and equipment failure
- Designed for the harshest conditions
- Personalize your gauge with custom backlight colors
- Monitor key functions of your vehicle with advanced information
- Save space with multiple functions in one gauge



# Battery Voltage Monitoring Gauges

## Optional sensor

Battery Voltage Monitoring Gauges also support an optional 100A-rated Hall Effect Current Sensor (GS-AMPS) that monitors the amount of current to or from the main or auxiliary battery. This sensor is sold separately.

If there is an alternator or system failure, the voltage reading will be low and drop as the battery discharges. In the case of an overcharge condition, the gauge will climb above its normal zone. There are pre-set alert levels to notify of these changes, altering the gauge backlight to programmable amber or red.

## Optional accessories

Accessories include a stylized Mounting Cup (GH-CUP) and Mounting Panel (GH-MP1) as well as an Enhanced Lighting Controller (GA-ELC) to dim the gauges to match a vehicle's instrument panel lighting. There is also an adapter to fit the 12 volt gauges to a 24 volt vehicle system (GA-2412V).

REDARC strongly recommends that an Enhanced Lighting Controller (GA-ELC) be purchased with all gauges. This ensures that the gauge is not too bright when driving at night, by dimming the gauge and/or changing the backlight color.



### G52-VA

The G52-VA measures the voltage level of one 12 volt battery. The voltage is indicated on a 270° sweep gauge indicating between 7.5 and 16.5 volts.



### G52-VVA

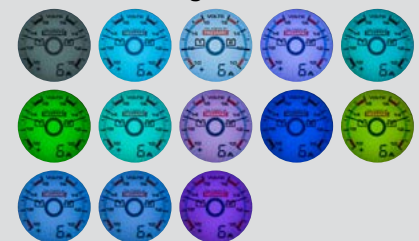
The G52-VVA measures the voltage level of two 12 volt batteries. Each battery voltage is indicated on a 120° sweep gauge indicating between 10 and 16 volts.

## Gauge accessories

	Code	Name	Description
	GA-ELC	Enhanced Lighting Controller	Designed for use if a vehicle's dimming circuit does not dim the REDARC Battery Voltage Gauge to a satisfactory level. Beside dimming, the controller also programs the night-time color and is compatible with both the G52-VA and G52-VVA gauges.
	GH-MP1	Single Gauge Mounting Panel	Black aluminum Gauge Mounting Panel suitable for one 2 1/16" G52-VA or G52-VVA gauge.
	GH-CUP	Single Gauge Mounting Cup	Black aluminum stylized Mounting Cup suitable for one 2 1/16" G52-VA or G52-VVA gauge.
	GS-AMPS	Hall Effect Current Sensor	An electronic device designed to measure the current flowing in a circuit and output the value of that current as a voltage signal. (i.e. can monitor the amount of current to or from the start or auxiliary battery). A high performance, compact cable mounted current sensor suitable for installation into rugged environments where a fully sealed product is required to assure reliability.
	GA-2412V	24 to 12 Volt Gauge Adaptor	The REDARC 24 to 12 Volt Gauge Adaptor must be used to connect your REDARC gauge to a vehicle with a 24 volt ignition. All REDARC gauges must operate from a 12 volt power supply. When used with G52-VA and G52-VVA, the gauges can only measure 12 volt nominal batteries.

	G52-VA	G52-VVA
Standby current draw	30mA	30mA
Input voltage	6-16V	6-16V
Alert levels	<9V/>16V	<11V/16V
Viewing angle	+_45° horizontal +_60°/-15° vertical	+_45° horizontal +_60°/-15° vertical
Optional sensor	GS-AMPS	GS-AMPS
Diameter	2.16"	2.16"
Depth	2.44"	2.44"
Weight	0.11lb	0.11lb
Warranty	Two years	Two years

## Thirteen backlight colors



## Two programmable alert backlight colors with audible beep



Visit [redarcelectronics.com](http://redarcelectronics.com) for more information

For product support contact your regional distributor - a complete list can be found at [redarcelectronics.com/distributors](http://redarcelectronics.com/distributors) - or send an email to [power@redarcelectronics.com](mailto:power@redarcelectronics.com)

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Details and specifications are subject to change without notice.

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