

General information:

The VISION 4 Battery Supervisor is the last word in on board power supervision.

It is simple to connect and it automatically detects the input voltage (12 VDC or 24 VDC). CanBus SAE J1939 interface.

The VISION 4 battery monitor analyses battery voltage, battery efficiency, temperature and capacity on 2 battery banks (by means of an optional second shunt) also the voltage on 2 additional banks.

The VISION 4 includes a digital filter which allows it to avoid problems arising from motor start up, fuse faults, unballasting, etc...

The VISION 4 has a non volatile memory which allows it to retain configuration parameters even if there is no power source.

The VISION 4 has powerful calculating algorithms which take count of the current draw, the charge status and the type of battery, so it can supply precise indication of the remaining charge. This means that the VISION 4 is more than just a simple Ah counter. In fact, its energy counter takes into consideration:

-During the charge, output that diminishes according to the battery's charge.

-During the discharge, restored capacity which diminishes according to the draw.

What's more, the VISION 4 is not sensitive to the effects of the charging cycle because it automatically detects float mode. It is thus not subject to drifting with each successive charge / discharge cycle.

Reya is proud to introduce the most advanced and yet most user friendly battery supervisor available on the market today. Readings are more visible than ever before thanks to the OLED display.

Flush fitted with a diameter of Ø 52 mm, the VISION 4 is part of the Dolphin family of products.

It is equipped with a numerous alarms and a cycle counter and a CAN BUS SAE J1939 interface.



Power supply characteristics:

Voltage:	10-30 VDC
Consumption:	10 mA approx. ("normal" mode). 30 mA approx. ("alarm" mode).

Display functions:

Display type:	Graphic OLED display 4 lines.
Parameter selection:	5 way navigation keypad

Parameters displayed:

Batteries 1 & 2:	Voltage, Current, Temperature & capacity.
Batteries 3 & 4:	Voltage.

Alarm functions:

Faults detected:	
Batteries 1 & 2:	Battery undervoltage (adjustable), Battery overvoltage, Excessive temperature, Low capacity.
Batteries 3 & 4:	Battery undervoltage (adjustable), Battery overvoltage,
Alarm output:	Dry loop, 1 inv - 1 Amp max.

Supplied with:

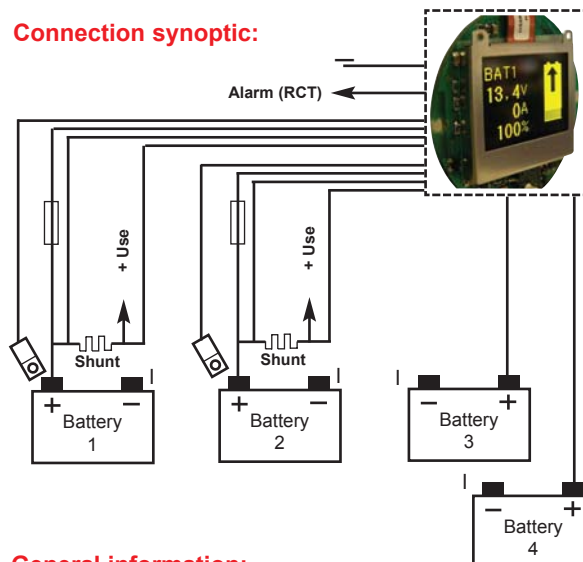
Temperature sensor:	1 electric sensor
Shunt:	1 shunt 300 Amps/100 mV.

Optional extras & replacements

Temperature sensor:	Code 299405
Shunt 150 Amps/100 mV:	Code 299402
Shunt 300 Amps/100 mV:	Code 299403
Shunt 500 Amps/100 mV:	Code 299404
Delayed fuse 100mA:	Code 039715

Capacity	Voltage	Reference	Code
10 - 5000 Ah	12/24V	VISION4-5000A	299032

Connection synoptic:



General information:

Security:	Delayed fuse 100mA on +.
Operating /Stockage:	-10°C - +50°C / -20°C - +70°C.
Convection:	Natural.
Presentation:	Flush mounted Ø52 mm
W x H x D:	70 x 70 x 32 mm.
Weight:	< 500g
Connection:	2 screw terminals

At the touch of a button you will be able to monitor a host of important information allowing you to answer questions like:

*How long will my batteries last?
How efficient is my battery system?
What is the status of my battery bank?
Is my charging system functioning normally?
Is the charger keeping up with my on board instruments?*

*Are my batteries fully charged yet?
What voltage am I charging at?
Do I need an extra battery?*

Simple Volt/Ammeters do not provide enough information to allow you to make expert decisions about managing your batteries.

Not to be confused with standard voltage based units, the Vision 4 battery monitor analyses battery voltage, battery efficiency, temperature and capacity on 2 battery banks (by means of an optional second shunt) also the voltage on 2 additional banks.

Armed with accurate battery information you can make informed decisions about when to stop or start charging - no longer will you be subject to unexpected flat batteries!



The Vision 4 uses a calibrated shunt for current measurement. Being remote from the actual unit means that it easily slots into existing wiring keeping installation quick and easy.

10 reasons why you need this product for your boat.

1. OLED display with high contrast, wide viewing angles from all directions, low power consumption and a long working life.
2. Surface mount and easy installation with cut-out 52mm Dia.
3. Complete status information for two independent battery banks
4. Voltage monitoring for up to 4 battery banks including alarms
5. Innovative 5 way navigation pad
6. Powerful microprocessor for accurate and reliable information
7. CAN Bus interface SAE J1939.
8. Compatible with 12 & 24 volt DC systems
9. Free "normally open contact" for external alarm (up to 1 amp)
10. 300 amp shunt and temperature sensor supplied as standard