BAT-MON

③ Warranty 3 years

8.9/10 Repairability index

12V
24V
36V
48V

Shunt 300A **+** Battery monitor

Presentation

The battery monitor BAT-MON shows all relevant standard data such as voltage, current, remaining capacity and time of the service battery plus one additional voltage for starter or bow battery at the same time. Moreover the battery monitor BAT-MON records historic data of your battery such as average discharge depth, unavailable capacity and number of charge/discharge cycles.

An active high-precision 300A shunt unit is provided as standard for battery control. Two extra ones can be used as option. For each shunt used an additional voltage measurement is also available (i.e. bow-thruster battery).

Up to 3 battery banks or power generation (DC source) with 3 additional battery voltage readings. It operates at 12, 24, 36 and 48V and is suitable for all types of batteries, including Lithium.

Note : BAT-MON can monitor different battery voltages in a same installation if all negatives are common.

Why is BAT-MON essential?
Because it monitors:
- Starter and House bank batteries voltage in order to check that they are not faulty (too low voltage)
- House bank battery current to determine the remaining capacity of the installation which is essential for on board confort.

The shunt sends an alarm to the monitor (flashing and sound alarm) and can switch a relay to start a genset.
A CAN-BUS interface shunt is also available (reference FLEXCAN).

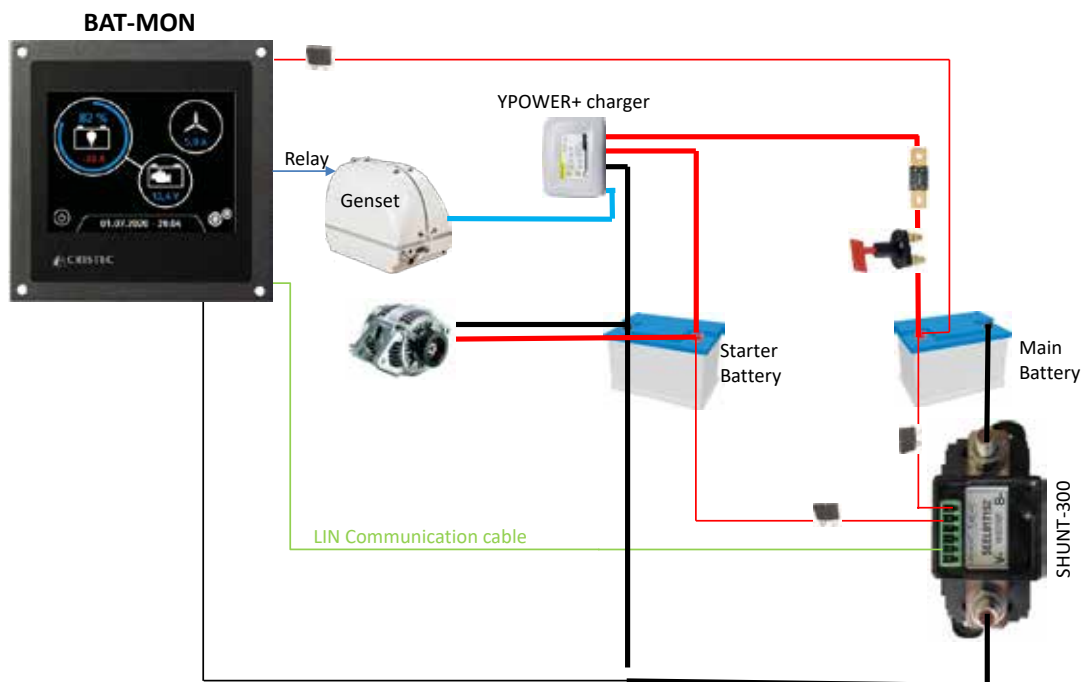| Part number	Description
BAT-MON-3.5-3	Battery monitor (screen + 1 shunt 300A)
Options	
SHUNT-300-3.5-3	Additional shunt 300A
SEEL017153	Wiring kit
STP-UNI-2.8	Temperature probe 2.8 meters
STP-UNI-5.0	Temperature probe 5 meters

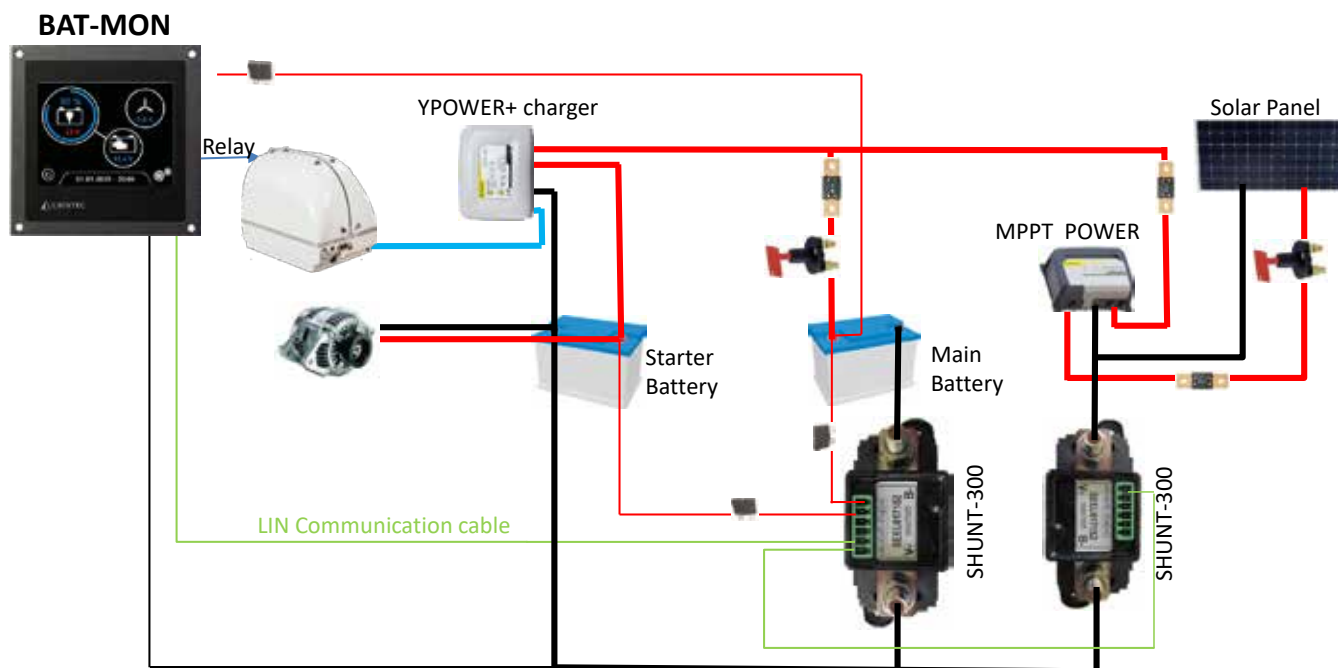## Options

Wiring kit   Temperature probe 2.8 m STP-UNI-2.8   Temperature probe 5 m STP-UNI-5.0

BAT-MON
Examples of installation

BAT-MON

YPOWER+ charger

Relay

Genset

Starter
Battery

Main
Battery
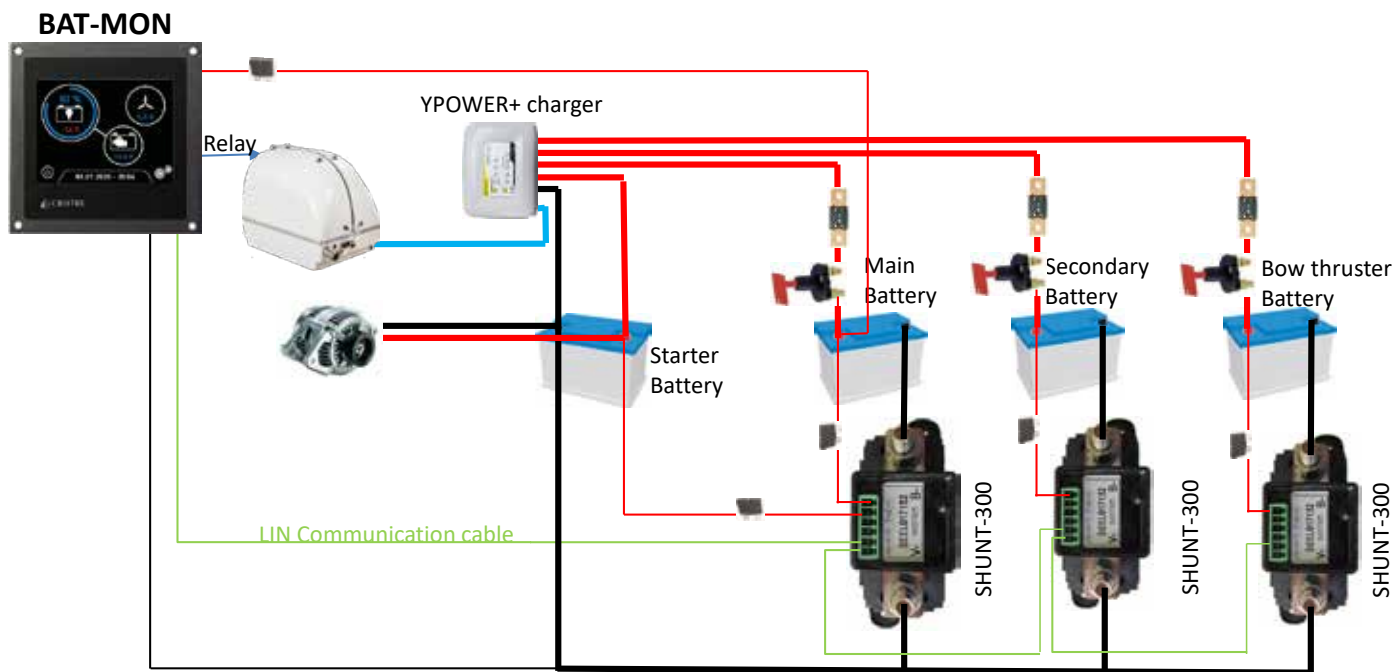
SHUNT-300

LIN Communication cable

Shunt 300 measures the voltage of Starter battery and the voltage, current, temperature of the main battery. A low voltage of the Main battery can trigger a relay of the BAT-MON in order to start the genset.

BAT-MON

YPOWER+ charger

Solar Panel

Relay

MPPT POWER

Starter
Battery

Main
Battery

SHUNT-300

SHUNT-300

LIN Communication cable

Shunts can be daisy chained to display on the same monitor the energy state of the whole installation

ENERGY MANAGEMENT

BAT-MON

YPOWER+ charger

Relay

Main
Battery

Secondary
Battery

Bow thruster
Battery

Starter
Battery

SHUNT-300

SHUNT-300

SHUNT-300

LIN Communication cable

BAT-MON can monitor up to 5 batteries

Exemple of BAT-MON monitor integration on a DC switching panel.