



## BATTERY MONITOR

TOUCH-SCREEN 3.5"



### PRESENTATION

#### ▪ 3 BATTERY BANKS OR DC SOURCES

Brand new CRISTEC's advanced battery monitor for most demanding users. For up to 3 battery banks or power generation (DC source), 3 additional battery voltages readings.

The battery monitor **BAT-MON** shows all relevant standard data as voltage, current, remaining capacity and time of the house battery and one additional voltage of starter or bow batteries at the same time.

Moreover the battery monitor **BAT-MON** records history data of your battery as average discharge depth, unavailable battery capacity and number of charge/discharge cycles.

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

#### ▪ POTENTIAL FREE CONTACT

If one of the attached battery reaches the configured capacity/voltage threshold, an acoustic alarm comes on and an appropriated symbol appears on the screen.

When there is an on-board generator battery monitor **BAT-MON** supervises the battery capacity and controls the generator through one potential free contact. The generator is switched ON according to the adjusted capacity threshold.

### TECHNICAL SPECIFICATIONS

- Very high accuracy (10mA) and large capacities (up to 2000Ah)
- Adjustable nominal battery voltage (12V/24V) <sup>(1)</sup>
- High resolution, energy-saving back light LCD display
- Very low power consumption (2.5 mA / < 1mA in sleep mode at 12V) allowing continuous operation
- 1 internal potential free contact : to activate a mono- or bistable relay
  - \* Dimensions : L 105 x H 105 x D 45 mm
  - \* Cut-out : 88 x 88 mm
- 1 active shunt 300 A as standard. Suitable for max power of 3600W at 12V or 7200W at 24V.
  - \* Dimensions : L 118 x H 52 x D 40 mm
  - \* Connection : M 8 bolts

<sup>(1)</sup> 48V pending

DESCRIPTION	REFERENCE
Battery monitor (1 screen + 1 shunt 300A)	BAT-MON-3.5
Additional shunt 300A (option)	SHUNT-300-3.5
Temperature probe 2.8m (option)	STP-NEW-2.8