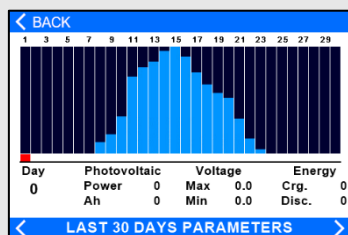
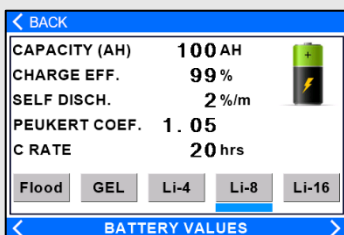


BM3502I

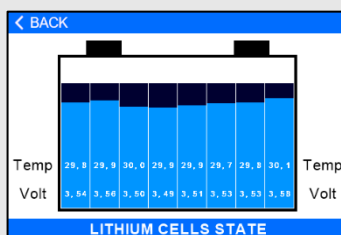
3,5" COLOR TOUCH DISPLAY BATTERY MANAGEMENT SYSTEM



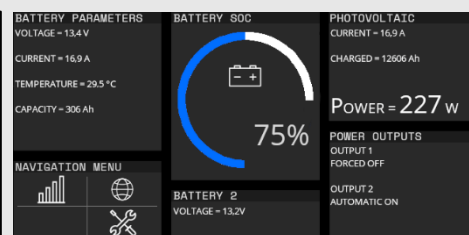
Monthly memory storage of main electrical parameters.



Very flexible configuration to increase the number of plants layouts.



Connection ready to the future BMS and other accessories.



Ready to be connected with the **S2L** and **S2W** accessories for the IoT-MQTT world via LAN and WI-FI. Or via Bluetooth with the **S2W** access point.

The **BM3502I** allows to control, throughout a 3,5" colour display, the main parameters of the services battery installed on boats, camper or in any off-grid photovoltaic plant.

The display is able to visualize voltages, currents, charge and discharge energies of the service batteries and voltages, currents, instant power and energy produced by a photovoltaic plant.

Two digital outputs permit to control electric loads, each output can be programmed based on time and / or based on battery voltage.

The BM3502I is equipped with an internal memory for store electrical parameters of last 30 days.

Connected to the S2L and S2W equipment, the BM3502I is ready for the IoT.

ELECTRICAL SPECIFICATIONS

Voltage range	7-65V
Self consumption	<0.7W
Operating temperature	-20 / +75 °C
Temperature sensor range	0 – 90°C
Maximum shunt current	1000 A
Maximum shunt voltage	75mV
Maximum PV current	30A
Contact Ratings	Max switching power 60W – 125VA
	Max switching voltage 220Vdc – 250Vac
	Max switching current 2 A

MECHANICAL SPECIFICATIONS

Dimensions (mm)	140mm(L)×75mm(W)×40mm(H)
Weight	150 g

BM3502I

MEASURED ELECTRICAL VALUES

BATTERY 1

- ✓ VOLTAGE
- ✓ CURRENT
- ✓ Ah CHARGED
- ✓ Ah DISCHARGED
- ✓ TIME TO FULL CHARGE
- ✓ TIME TO EMPTY
- ✓ TEMPERATURE
- ✓ Ah STORED
- ✓ SOC %

OTHER FEATURES

- 2 SOC, VOLTAGE AND/OR HOUR PROGRAMMABLE RELAY OUTPUTS.
- SINGLE LITHIUM CELLS STATE IF CONNECTED TO A BMS
- IoT READY IF CONNECTED TO A S2L OR S2W OPTIONALS
- COMPATIBLE WITH ANY SOLAR CHARGE CONTROLLER UP TO 30 A.

PHOTOVOLTAIC

- ✓ Ah CHARGED
- ✓ CURRENT
- ✓ POWER

BATTERY 2

- ✓ VOLTAGE

DAILY STORAGE (30 days)

- ✓ Max VOLTAGE
- ✓ Min VOLTAGE
- ✓ Ah CHARGED
- ✓ Ah DISCHARGED
- ✓ Ah PHOTOVOLTAIC
- ✓ Max PV POWER

HOURLY STORAGE

- ✓ Max VOLTAGE
- ✓ Min VOLTAGE
- ✓ Ah CHARGED
- ✓ Ah DISCHARGED
- ✓ Ah PHOTOVOLTAIC
- ✓ Max PV POWER

APPLICATION'S FIELDS



Off-grid photovoltaic plants equipped with every type of chemistry energy storage batteries.



Energy management for remote plants such weather stations, mobile phone antenna's, e-bikes charger stations and more .



Remote energy management for security systems, self-powered payment stations and access controls.



Energy management and control of the service batteries in every kind of boat.



Energy management and control of the service batteries in caravan and camper.