



## DIGITAL BATTERY MONITOR

JBNUMII - CPS3



### PRESENTATION

The new JBNUMII-CPS3 battery monitor has an exclusive large size LCD graphic. Its standard version includes a 250A shunt to monitor voltage<sup>(1)</sup>, current and remaining capacity of a battery bank<sup>(2)</sup> (e.g. : service) as well as voltage of two other banks (e.g. : engine and bow-thruster).

With extra shunt the system can monitor 3 battery banks<sup>(3)</sup> (voltage, current, capacity) and voltage of 2 extra battery banks.

The battery monitor has a low capacity alarm and an electrical contact which allows genset remote.



#### THE FOLLOWING PARAMETERS CAN BE SET :

- Number of battery bank (or DC sources) to monitor
- Capacity of each battery bank (Ah)
- Alarm values (low capacity, low voltage and high voltage)
- Acoustic alarm (buzzer) and electrical contact ON/OFF
- Language (French or English)
- Backlight duration

### PROVIDED ACCESSORIES (standard version)

- The battery monitor.
- One kit shunt including one 250A/100mV shunt and one 10m RJ11 cable to monitor entirely one battery bank<sup>(3)</sup>.
- 2 cables of 10m to monitor voltage of 2 battery banks.

(1) 12V, 24V or 48V, or even mixed if minus is common.

(2) single battery or several batteries mounted into parallel, into series or into series-parallel.

(3) or DC energy source flow such as a wind generator or solar-panels – voltage & current.

Part number : JBNUMII - CPS3

We reserve the right to make modifications to the specification without prior notice. Please consult us.

### OPTIONS

- Kit shunt including a shunt and a 10m RJ11 cable to monitor one additional battery bank<sup>(3)</sup>. The system can monitor up to 3 battery banks or 3 energy sources or 3 mixed elements – 1 kit shunt per element (ref. KITSHUNT-250A ; KITSHUNT-500A).

### TECHNICAL CHARACTERISTICS

- **INPUT POWER-SUPPLY** : from 8,5 to 60VDC
- **CONSUMPTION** : without backlight /30mA ; with backlight /65mA
- **BATTERY OR DC SOURCE CAPACITY** : from 5 to 4000Ah
- **MEASUREMENTS** :
  - Battery or energy source voltage : from 0 to 60VDC
  - Current : from -500A to 500A
- **DISPLAY RESOLUTION** :
  - Battery or energy source voltage :
  - 0,1VDC ; precision : +-0,5%
  - Current : 0,1A ; precision +-1%
- **DISPLAY** :
  - White positive graphic LCD screen 128 x 64 pixels (62 x 44mm).
  - White LED Backlight
- **REMOTE OF THE GENSET** : by a NO/NC potential free contact
- **ALARMS** : Buzzer, flashing backlight, relay
- **DIMENSIONS** : 120mm x 120mm
- **EMBEDDED BODY** : h 95mm x l 100mm x d 35mm
- **TEMPERATURE** :
  - Operating : from 0 to +50°C
  - Storage : from -10 to +70°C

