

# BAT-Exxx Power Module

## Overview

BAT-Exxx power module consists of GeoSIG Power Pack as well as an external battery inside a marine housing.

The module is supplied with necessary cables for interconnection and to connect to relevant equipment.

The Power Pack contains a power supply and a charger specially designed to provide constant power to the GeoSIG instruments and to charge an external lead battery.



\*: Battery, housing type, size and inlets shown are typical, but can differ per project. Shown with GMSplus.

## Key Features

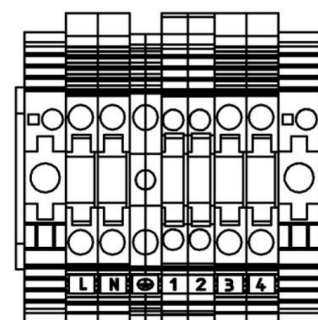
- ▶ Power supply and charger
- ▶ External batteries
- ▶ Field-friendly terminal connectors
- ▶ Reliable power autonomy
- ▶ Robust metal and marine housing

## BAT-Exxx specifications

|                                |                    |
|--------------------------------|--------------------|
| AC-input voltage:              | 90 - 264 VAC       |
|                                | 47 - 63 Hz         |
|                                | Universal input    |
| DC-output:                     | 15V / 2.4A         |
| Charge voltage:                | 14.7V $\pm$ 0.2    |
| Float voltage:                 | 13.8V $\pm$ 0.3    |
| Charging current:              | 4A                 |
| Recommended battery capacity*: | 15 - 100 Ah        |
| Dimensions                     |                    |
| HxWxD:                         | 300 x 200 x 120 mm |

\*Rec. value may vary – contact battery manufacturer for details

### Terminal designation



| Terminal | Wire diameter min   | Wire diameter max   | De-isolation length | Comment |
|----------|---------------------|---------------------|---------------------|---------|
| L        | 0.5 mm <sup>2</sup> | 4 mm <sup>2</sup>   | 10 mm <sup>2</sup>  | AC Line |
| N        | 0.5 mm <sup>2</sup> | 4 mm <sup>2</sup>   | 10 mm <sup>2</sup>  | Neutral |
| ⊕        | 0.5 mm <sup>2</sup> | 4 mm <sup>2</sup>   | 10 mm <sup>2</sup>  | Earth   |
| 1        | 0.5 mm <sup>2</sup> | 2.5 mm <sup>2</sup> | 10 mm <sup>2</sup>  | DC+     |
| 2        | 0.5 mm <sup>2</sup> | 2.5 mm <sup>2</sup> | 10 mm <sup>2</sup>  | DC-     |
| 3        | 0.5 mm <sup>2</sup> | 4 mm <sup>2</sup>   | 10 mm <sup>2</sup>  | BAT+    |
| 4        | 0.5 mm <sup>2</sup> | 4 mm <sup>2</sup>   | 10 mm <sup>2</sup>  | BAT-    |