

Skylla-TG 24/30 and 24/50 GMDSS

with battery time to go prediction

www.victronenergy.com



Skylla
TG 24/30 GMDSS

GMDSS

The Global Maritime Distress & Safety System (GMDSS) was developed by the International Maritime Organisation (IMO) to improve maritime distress and safety communications.

Power supply

The Skylla TG has proven itself to be an excellent battery charger and power supply for GMDSS applications. However, when using a standard Skylla Charger, additional equipment is needed to perform the monitoring and alarm functions required for GMDSS.

Installation made easy: the Skylla GMDSS

The Victron Skylla GMDSS Charger has been designed to provide all required monitoring and alarm data. Both the battery and the GMDSS system are connected directly to the charger. Data and alarms are displayed on a digital panel (VE.Net GMDSS panel, to be ordered separately). A standard eight wire UTP-cable connects the charger to the panel.

No adjustments needed

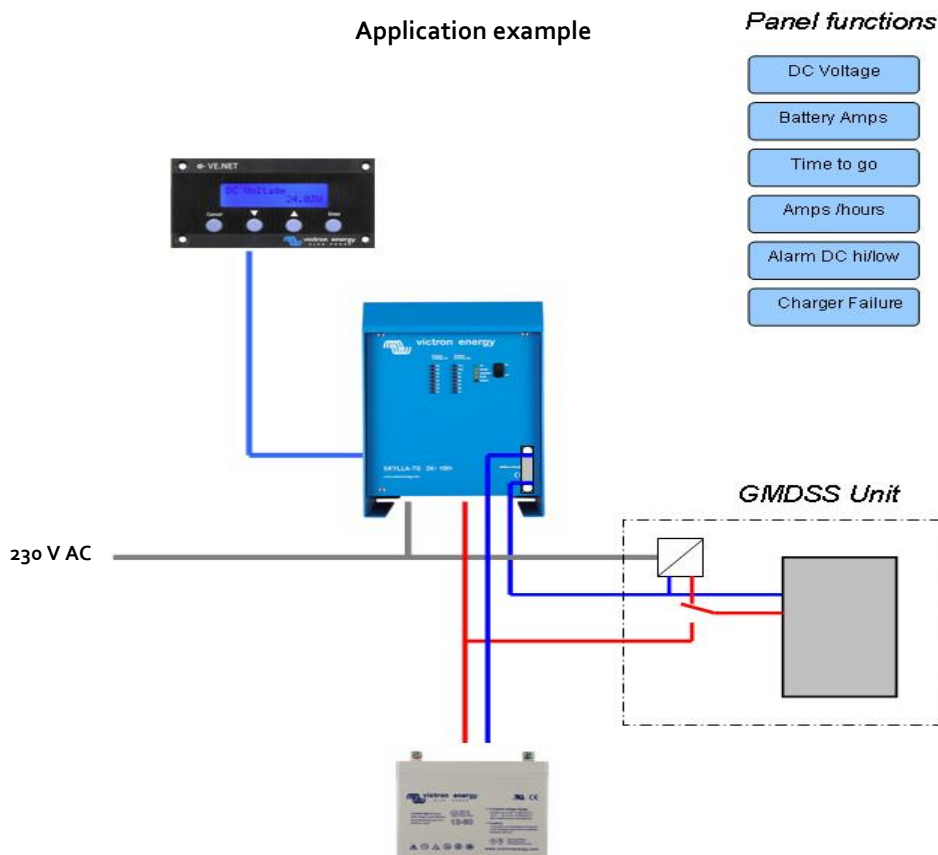
The whole system is 'click and go': the panels are pre-programmed for GMDSS functionality. A simple, intuitive menu allows changing of settings if required.

Battery time to go

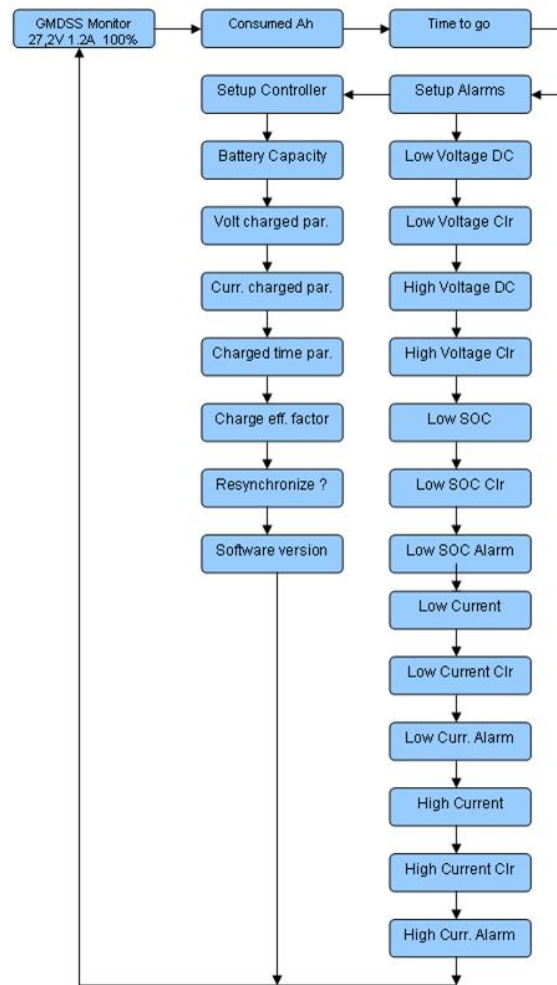
The Skylla GMDSS charger has a built-in battery controller. The capacity of the battery is fully monitored so the panel can even indicate the 'time to go' in case of a power supply black out.

Perfect charger for any type of battery

Charge voltage can be precisely adjusted to suit any VRLA or flooded battery system.



| Skylla-TG | 24/30 GMDSS | 24/50 GMDSS |
|--|--|-------------------------------|
| Input voltage (V AC) | 230 | |
| Input voltage range (V AC) | 90 - 265 | |
| Frequency (Hz) | 45-65 | |
| Power factor | 1 | |
| Charge voltage 'absorption' (V DC) | 28,5 | |
| Charge voltage 'float' (V DC) | 26,5 | |
| Charge current (A) | 30 (limited to 22 A at 110 V AC) | 50 |
| Charge characteristic | IUoUo (three step) | |
| Temperature sensor | √ | |
| Can be used as power supply | √ | |
| Forced cooling | √ | |
| Protection (1) | a, b, c, d | |
| Operating temp. range | -40 to +50°C (-40 - 122°F) | |
| Humidity (non-condensing) | max 95% | |
| ENCLOSURE | | |
| Material & Colour | aluminium (blue RAL 5012) | |
| Battery-connection | Two 1,5 m cables | |
| GMDSS connection | One 1,5 m cable (+ to be taken directly from the battery) | |
| 230 V AC-connection | Three wire 2,5 mm ² (AWG 6) cable Length: 2 m | |
| Protection category | IP 21 | |
| Weight kg (lbs) | 6 (13) | |
| Dimensions hxxxd in mm (hxxxd in inches) | 485x250x147 (19.1x9.9x5.8) | |
| ACCESORIES | | |
| VE.Net GMDSS panel | To be ordered separately | |
| UTP-cable | To be ordered separately | |
| STANDARDS | | |
| Safety | EN 60335-1, EN 60335-2-29 | |
| Emission Immunity | EN 55014-1, EN 61000-3-2 | |
| Immunity | EN 55014-2, EN 61000-3-3 | |
| Maritime Nav. & Radiocomm. | IEC 60945 | |
| 1) Protection key: a) Output short circuit b) Battery reverse polarity detection | c) Battery voltage too high d) Temperature too high | 2) Up to 40°C (100°F) ambient |



Remote panel GMDSS

The remote panel allows easy access to all important data. Alarm settings are pre-set but can also be reprogrammed.