



# victron energy

B L U E P O W E R

Skylla TG Charger 24V GMDSS

## Skylla-TG 24/30 GMDSS with battery time to go prediction

### 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 24/30 GMDSS

The Victron Skylla-TG 24/30 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.

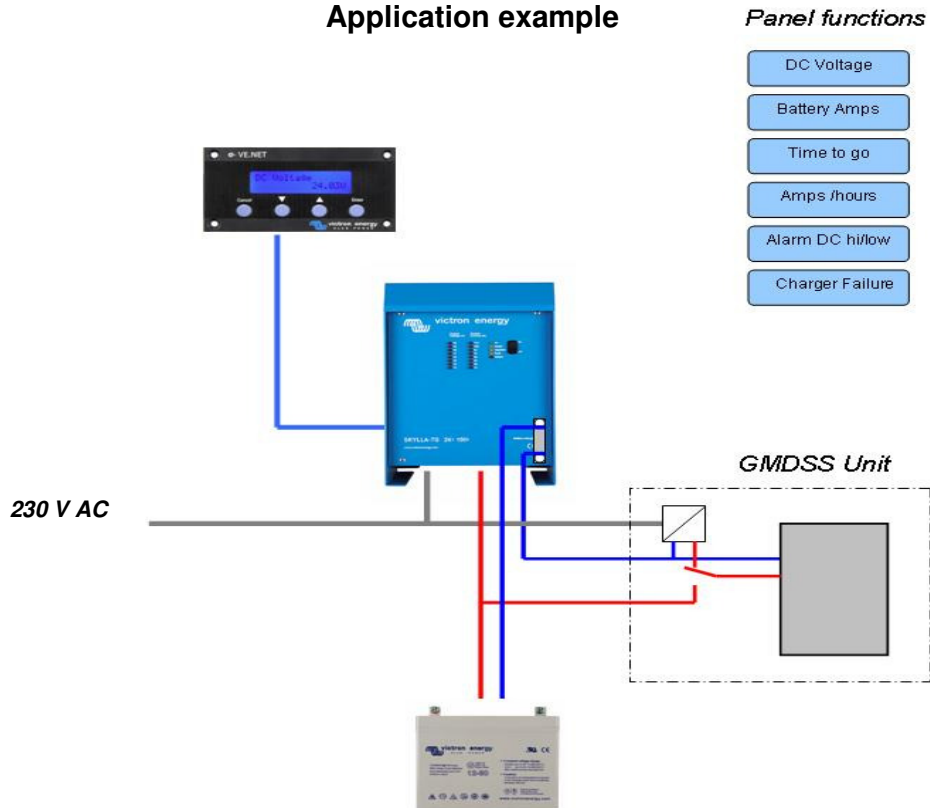
### Battery time to go

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 sealed or unsealed battery system.

### Application example



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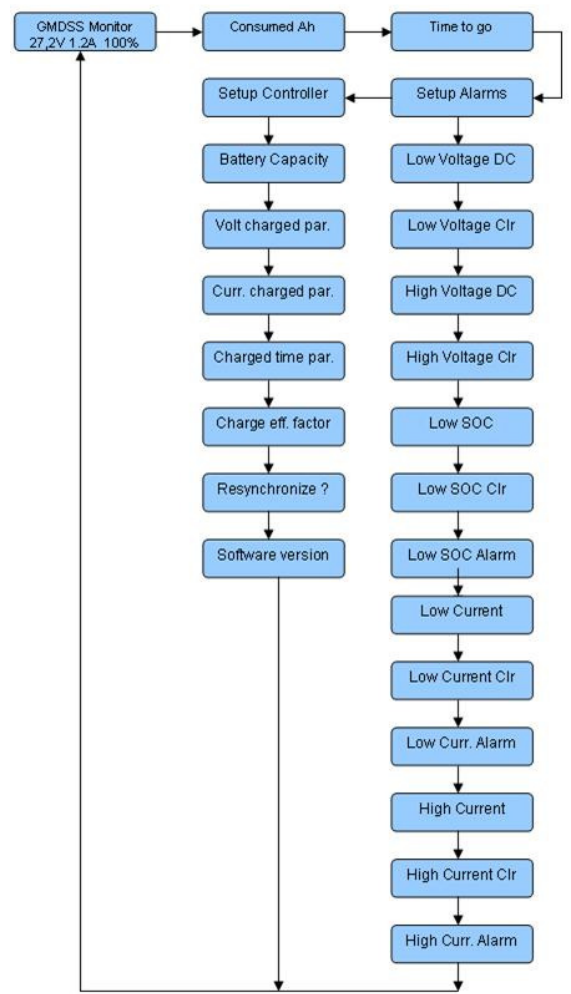
# Skylla TG Charger 24V GMDSS

## Specifications

Skylla-TG	24/30 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	30
Charge characteristic	luoUo (three step)
Temperature sensor	√
Can be used as power supply	√
Forced cooling	√
Protection (1)	a,b,c,d
Operating temp. range	-20 to 60 °C (0 - 140 °F)
Humidity (non condensing)	max 95%
<b>ENCLOSURE</b>	
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 <sup>2</sup> (AWG 6) cable Length: 2 m
Protection category	IP 21
Weight kg (lbs)	6 (13)
Dimensions hxxxd in mm (hxxxd in inches)	365x250x147 (14.4x9.9x5.8)
<b>ACCESSORIES</b>	
VE.Net GMDSS panel	To be ordered separately
UTP cable	To be ordered separately
<b>STANDARDS</b>	
Safety	EN 60335-1, EN 60335-2-29
Emission	EN 55014-1, EN 61000-3-2
Immunity	EN 55014-2, EN 61000-3-3
Maritime Nav. & Radiocomm.	IEC 60945

- 1) Protection  
 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

## Settings



## Remote panel



### Remote panel GMDSS

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