GREEN VENERGY

GVY - T45

Lithium Titanium Oxide battery (LTO)

Powerful and long-life lithium battery for Marine



Characteristics

- **Maximum safety**
  The integrated intelligent battery management system ensures maximum user safety
- **Space saving**
  The slim battery design optimizes storage below deck or seats.
  The low module weight allows an easy installation on board.
- **Higher power density (3C continuous)**
  The continuous power is three times higher than the energy density, with a rush current of over 5C.
- **Easy installation**
  The connection cables are equipped with easy-to-install connectors.
- **Long Service life**
  The GVY-T45 with more than 15.000 Cycles supplies electric loads with more power than lead-acid and other lithium batteries.

GVY – T45

SYSTEM

Technical data

Basic Data	
Chemistry	Lithium Titanium Oxide (LTO)
Rated voltage (String)	27,6 to 1.021 V DC
Single module capacity	1,25 kWh
Life	More than 15.000 cycles at 80% DOD
Physically	
Single module weight	10 kg/kWh
Module dimensions (WxDxH)	190 X 360 X 125 mm
Electric	
Shutdown voltage	18 to 666 V DC
Final charging voltage	32,4 to 1.200 V DC
Maximum continuous discharge current (for single string)	160 A
Cell configuration	12S 2P
Operational	
Storage temperature	-30 to 55° C
Operating temperature	-30 to 45° C
Characteristics	
Communication	2x CAN connection for parallel connection of several series
Approvals	Type Approval RINA LR under Certification
Guarantee (for non-commmercial use)	2 years