

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	27,6 to 1.021 V DC
Capacity	1,25 to 46 kWh / 45 Ah
Life	More than 15.000 cycles at 80% DOD

Physically

Weight	14,6 to 540 kg
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	160 A
Series connection system	-
Parallel connection system	Multiple clusters possible
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-commercial use)	2 years

