Titan40-12-GEN4

General Vehicle Battery

Battery Overview

This heavy-duty, high-capacity battery is designed to deliver maximum performance while remaining extremely durable, making it suitable for robust environments and applications. The Titan-40-12-GEN4 can endure bumps and knocks, having been tested to withstand forces exceeding 20G without suffering damage. Additionally, the battery enclosure can be made fire-retardant for up to 30 minutes, as an option.

The Titan-40-12-GEN4 ‘s quick charge capability ensures minimal downtime, providing clients maximum availability (100%) and unmatched reliability to optimize productivity. The battery's operating temperatures allow for reliable performance in various conditions, accommodating extreme positive and negative temperatures as specified in the datasheet.

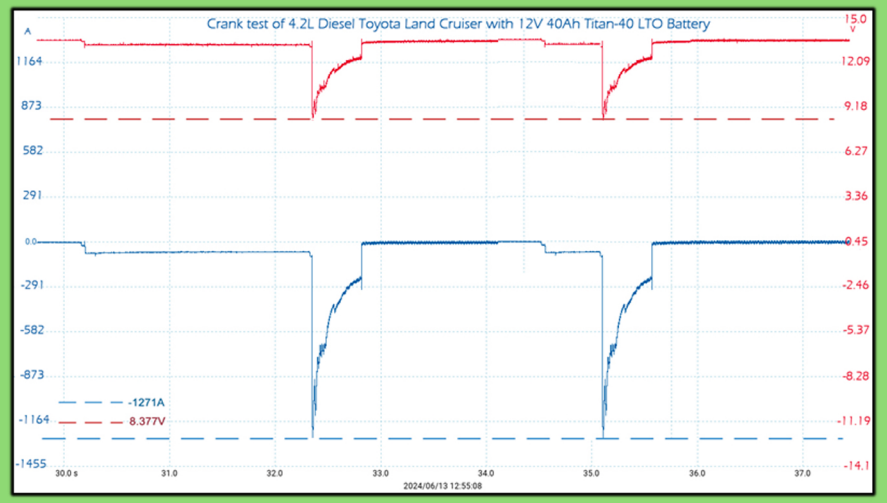
Main Features

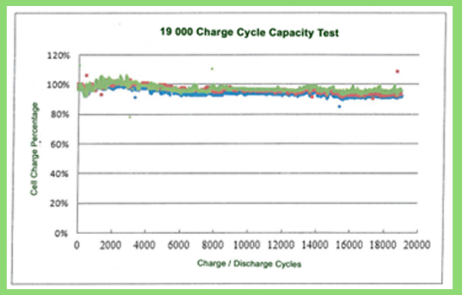
- Available in 12V 40Ah
- High Safety
- Fast charge
- Long cycle life – 20 000-30 000
- Wide temperature range
- Battery Management
- Excellent vibration resistance
- 5 Year Warranty

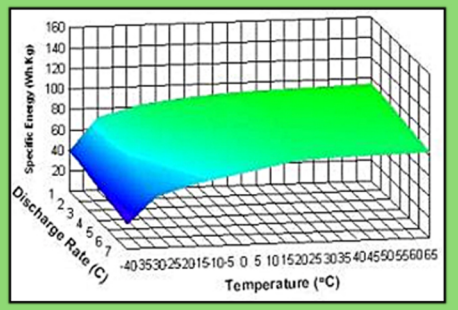
Suitable For

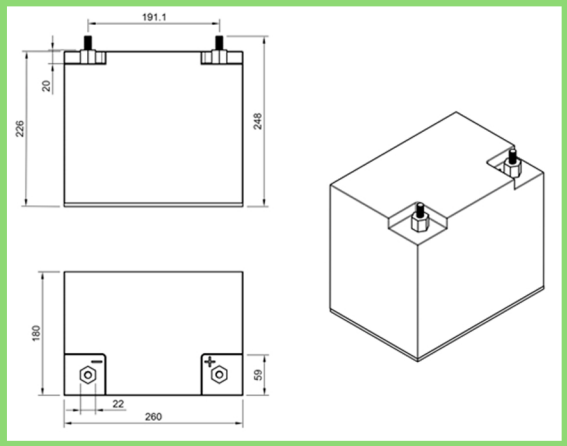
- Light Military vehicles
- Sport Utility Vehicles (SUVs)
- Light Construction Plant and Equipment
- Yachts
- Agriculture Equipment
- Construction Equipment

Battery Specifications		Titan-40-12 GEN 4
Battery Modules		MTP-12-40-GEN4
Chemical Technology		Lithium Titanate Oxide
Chemical Composition		Li_2TiO_3
Nominal Battery Capacity		40 Ah
Nominal Cold Crank Amperage		990 A
Max Current		1600A
Nominal Battery Voltage		13.8VDC
Working Efficiency		0.94
Standard Charging method		CC/CV
Charging time		Standard Charge at 20A (0.5C):2 hours Fast Charge at 200A (5C): 15 Minutes Rapid Charge at 400A (10C) < 10 Minutes
Charging (CC-CV)	Max Charge Current	10C
	Charge Upper Voltage Limit	16,8V
Discharge	Max Constant Discharge	10C
	Discharge Lower Voltage Limit	10,8V
Operational Thermal Ambient	Charging	-40°C ~ 75°C
	Discharging	-40°C ~ 75°C
Storage Thermal Ambient	Short-Term (1 Month)	-40°C ~ 75°C
	Long-Term (Within 1 Year)	-40°C ~ 75°C
Battery Terminals		Positive: M10 x 15mm
		Negative: M10 x 15mm
Storage Humidity		<70%
Battery Weight		9Kg
Battery Dimension		W260 x H226 x D180mm
Cycle Life		> 25 000 times









Mega-Titan Power (PTY), Republic of South Africa
Phone: +27 (0)87 265 2544 | Mobile: +27 (0)82 082 1414
Web: www.megatitan.co.za | Email: power@megatitan.co.za