

Datasheet

Mestic Toran LiFePO4 mover battery series

The Mestic Lithium mover batteries deliver high performance, smart technology and maximum safety. Their weight is up to 50% less compared to traditional AGM batteries and built with premium LiFePO4 cells. LiFePO4 cells ensure stability, long lasting power and excellent durability. With smart connectivity and a compact design, you can enjoy reliable energy wherever you travel, without compromise.

Features

- The high continuous discharge current and the integrated AC charger makes this the ideal battery to combine with your caravan or trailer mover systems.
- Lightweight and compact design with durable and safe ABS casing.
- Easy installation with mounting plate and removable SAE terminal poles.

Communication

- **Status & control:** the LED display on the battery gives you instant insight into charge level and operating status. Switching the battery on or off can be done with the button on the battery, the external cable with on/off switch or the Mestic smart app.
- **Mestic smart app:** for complete insights, as well as adjustments of other functions via your smartphone.
- **Full smart connectivity:** WiFi and Bluetooth® for seamless system integration, real time monitoring and advanced control.

BMS and Protection

The intelligent Smart BMS (Battery Management System) provides complete battery protection for safe and stable performance in every situation. It prevents overcharge, over-discharge, overcurrent and overheating, while advanced cell balancing ensures long term reliability even under heavy loads.



Mover battery

- LiFePO4 lithium technology for high power and maximum safety
- Available in 2 capacities: 21.6 Ah (MMB-20) and 32.4 Ah (MMB-30)
- Integrated BMS and advanced communication interfaces
- With integrated AC charger, no separate charger needed
- Long life cycle (>2000 cycles at 80% DoD)
- Including mounting bracket, external on/off button, M8/SAE terminal poles and AC power cable
- Lightweight and maintenance free
- Durable and safe ABS housing
- IP54 waterproof class
- LED status display
- 5 year warranty



Works seamlessly with the Mestic smart app

WiFi Bluetooth





Model	Toran MMB-20	Toran MMB-30
Article No.	1519500	1519510
Electrical data		
Nominal voltage	12.8 V	
Open circuit voltage	13.3-13.6V	
Nominal capacity	21.6 Ah	32.4 Ah
Capacity tolerance	100%~101%	
Capacity @ 20 A	60 min	90 min
Energy	276.48 Wh	414.72 Wh
Resistance	<20 mΩ	
Self discharge	<2% per month	
Cycle life	>1500 cycles (at 25 °C, 100% DoD, 80% EoL), >2000 cycles (at 25 °C, 80% DoD, 80% EoL)	
Charging performance		
Recommended Charge voltage	14.2 V	
Charge Cut-Off voltage	14.6 V	
Reconnect voltage	13.8 V	
Balancing voltage	0.001 V	
Recommended Charge current (Internal/terminals)	4 A / 10 A	4 A / 15 A
Maximum Charge current	20 A	30 A
AC input charger	100-240V	
Maximum batteries connection	4 in series	
Discharging performance		
Discharge Cut-Off voltage	10 V	
Reconnect voltage	10.8 V	
Max.Continuous Discharge current	100 A	150 A
Maximum short term discharge current	150 A@5 sec	200 A@5 sec
Peak power	250 A@1 sec	250 A@1 sec
Peak Discharge Cut-Off Current	250 A@1 sec	250 A@1 sec
End of Discharge Voltage	10 V	
Short circuit protection	100 μs	
Temperature performance		
Charge temperature	0~45°C	
Discharge temperature	-20~60°C	
Storage Temperature	-10~50°C	
BMS High temperature Cut-Off	110°C	
Reconnect temperature	90°C	
Operation Relative Humidity	0-80%	
Mechanical data		
Weight	4.5 kg	5.6 kg
Case material	PC/ABS	
IP class	IP54	
Cell type/technology	Cylindrical/LiFePO4	
Terminal type	M8/SAE	
Dimensions		
Dimensions (L x W x H)	326 x 172 x 130 mm	326 x 172 x 130 mm
Compliance data		
Certifications	CE, UN38.3, RoHS, MSDS, UN ECE R10	
Shipping classification	UN 3480; Class 9	