



Golf Cart Battery

51.2V-105Ah/ 51.2V-210Ah

Easy. Safe. Efficient



Anti-Walk
Function



Heating
Function



Smart Battery
Management System



4G
Module

BTR-MV-51.2V-105Ah/ BTR-MV-51.2V-210Ah



TommaTech LiFePO4 batteries ensure safety during charging with the Anti-Walk Function, while the optional heating feature provides optimal charging performance even at low temperatures down to -20 °C. With IP65 protection, they are durable under all weather conditions. The real-time SoC indicator allows safe usage. Offering over 4,000 cycles, constant power output, and a smart BMS system, they are long-lasting and high-performing. With the 4G module, location and battery status can be monitored remotely. All these features are backed by a 5-year warranty.

Voltage - Capacity**BTR-MV -51.2V-105Ah****BTR-MV-51.2V-210Ah**

Nominal Voltage [V]	51,2	51,2
Nominal Capacity [Ah]	105	210
Nominal Energy [Wh]	5376	10752
Recommended Charging Current [A]	52	105
Maximum Charging Current [A]	105	210
Recommended Charging Voltage [V]	56,8	56,8
Maximum Charging Voltage [V]	58,4	58,4
Recommended Discharging Current [A]	52	105
Continuous Discharging Current [A]	105	210
Maximum Discharging Current [A]	200A for 30s	400A for 30s
Discharge Cut-off Voltage [V]	44,8+0.2	44,8+0.2

BATTERY / CELL

Cycle Count	4000
Gravimetric Energy Density [Wh / Kg]	165
Volumetric Energy Density [Wh / L]	350
Internal Resistance [m]	0.27-0.40

STANDARD

Overcharge Protection	Yes
Overdischarge Protection	Yes
Overcurrent Protection	Yes
Short Circuit Protection	Yes
Overtemperature Protection	Yes
Temperature Sensor	Yes
Adjustable Charge / Discharge Current	Yes
Battery Chemistry	LFP Prismatic
Safety	IEC 61960 / 62133-2 / TS EN 61427-1

Operating Conditions

Charging Temperature [°C]	0 ~ +60
Discharging Temperature [°C]	-20 ~ +60
Storage Temperature [°C]	0 ~ +35
Humidity (Non-condensing)	Maximum 85%
Protection Class	IP65
Planned Product Lifetime [Year]	>10
Warranty Period [Year]	5

* Bu dokümanda belirtilen veriler ve teknik özellikler ön bilgilendirme amaçlı olup, ürünlerin kullanım şekli, sistem tasarımı ve ortam koşullarına göre değişkenlik gösterebilir.