



# Technical data sheet MTG 76-12

MOVE MTG-Batteries are valve regulated lead-acid batteries for the light traction market. With our innovative Gel-technology and maintenance free design, MOVE MTG-Batteries are compatible with all universal cyclic applications.

## Features

- Maintenance-free bloc batteries in Gel technology
- Stable high current performance for extreme conditions
- High-class patented safety valve
- Valve-regulated lead-acid battery filled with thixotropic gel.
- Classified as a non-spillable battery, not restricted for transport by:
  - Air (IATA/ICAO provision 67)
  - Ground (STB, DOT-CFR-HMR49)
  - Water (IMDG amendment 27)
- 700 cycles according to **IEC 254-1**



## Specifications

|                          |                          |
|--------------------------|--------------------------|
| Nominal Voltage          | : 12V                    |
| 80% DoD Voltage Cutoff   | : 11.4 (1,90vpc)         |
| Nominal capacity 1.75VPC | : 20hr rate 76Ah         |
| Capacity @25°C           | : 10hr rate 73Ah         |
|                          | : 5hr rate 66Ah          |
|                          | :                        |
| Self Discharge           | : < 3% per month (20°C)  |
| Charge Temperature       | : Min. -10°C / Max. 50°C |
| Discharge Temperature    | : Min. -10°C / Max. 50°C |
| Storage Temperature      | : Min. 0°C / Max. 30°C   |
| Storage Time             | : 12 months              |

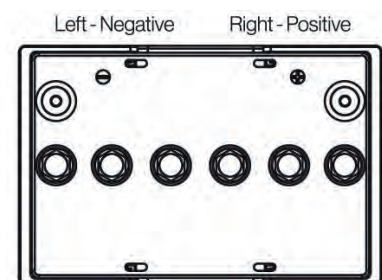
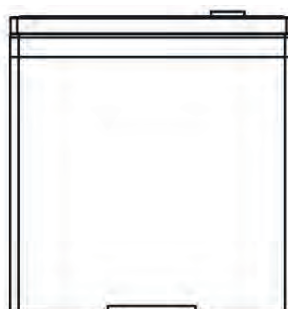
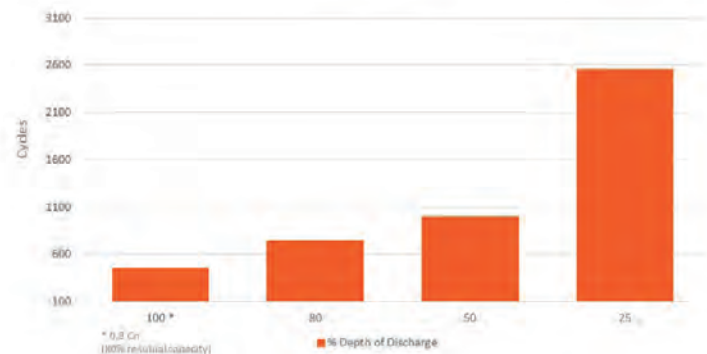
## Dimensions

|                         |                             |
|-------------------------|-----------------------------|
| L x W x H (T) in mm     | : 254 x 168 x 202.5 (204.5) |
| BCI-Group               | : 24                        |
| Weight                  | : 24kg (±2%)                |
| Terminal                | : Female insert M6          |
| Terminal Torque Setting | : 6 Nm                      |

## Applications:

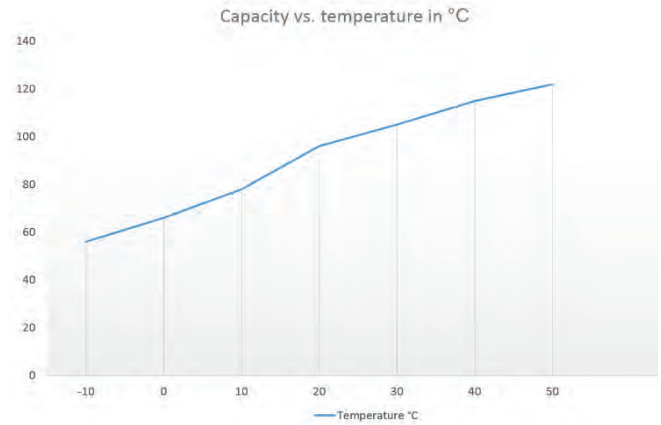
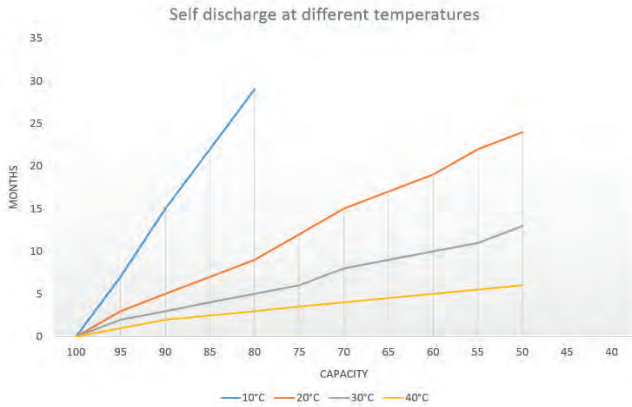
- Electric Vehicles (EV)
- Home Mobility Equipment (HME)
- Cleaning Equipment
- Aerial working platforms (AWP)
- All cyclic applications

GEL Cycle Life vs Depth of Discharge at +25°C  
Based on IEC 254-1



### Charging Profile @25°C in cyclic application

|                          |                |   |  |
|--------------------------|----------------|---|--|
| IU Charging              | I              | = | Min. 8Amp max. 12Amp                             |
|                          | U              | = | 2.43V per cell                                   |
| IUI Charging             | I <sup>1</sup> | = | Min. 8Amp max. 12Amp                             |
|                          | U              | = | 2.38V per cell                                   |
|                          | I <sup>2</sup> | = | Min. 1Amp for max. 4 hours to max 2.65V per cell |
| Float-voltage            | U-float        | = | 2,30VPC  |
| Temperature compensation |                | = | 3 Mv per degree°C up or down from 25°C           |



MOVE Batteries has a full range of batteries in the MTG-series.

This range is extended and updated regularly, please check the website for all other types.