



# Technical data sheet

## MTG 98-12

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 97Ah
Capacity @25°C	: 10hr rate 91Ah
	: 5hr rate 85Ah
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

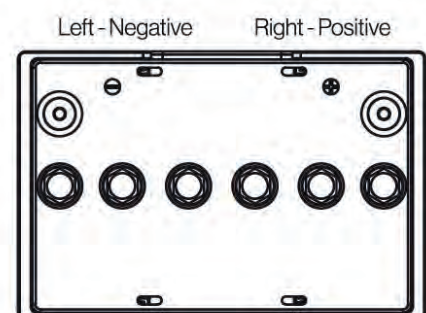
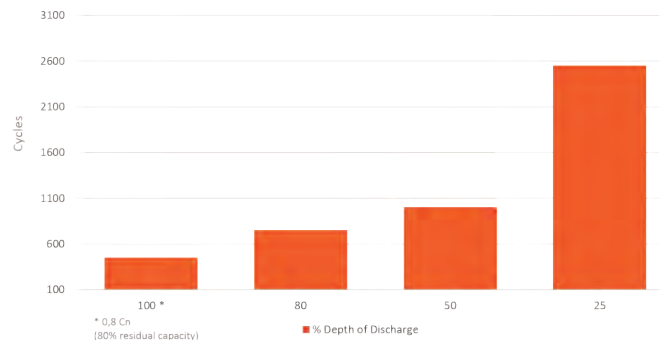
### Dimensions

L x W x H (T) in mm	: 329 x 170 x 205 (207)
BCI-Group	: 31
Weight	: 31kg (±2%)
Terminal	: Female insert M8
Terminal Torque Setting	: 6 Nm

### Applications:

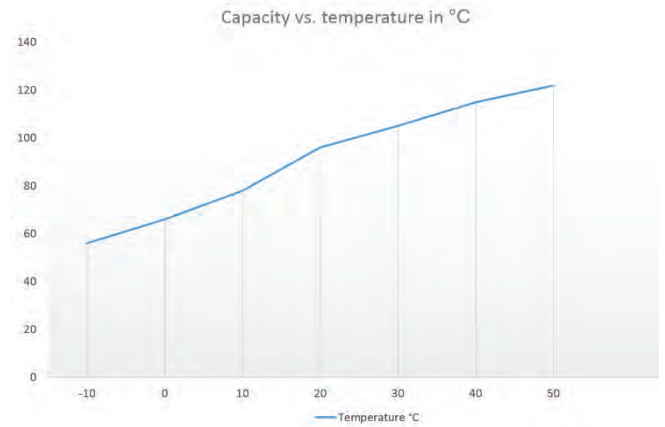
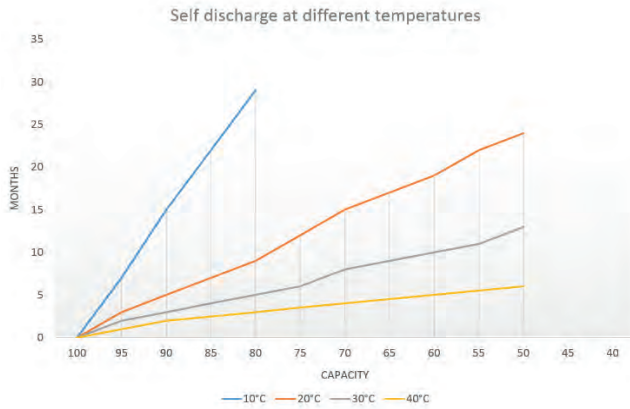
- Electric Vehicles (EV)
- Home Mobility Equipment (HME)
- Cleaning Equipment
- Aerial working platforms (AWP)
- All cyclic applications

GEL Cycle Life vs Depth of Discharge at +25°C  
Based on EN60254-1



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

IU Charging	I	=	Min. 10Amp max 15Amp
	U	=	2.43V per cell
IUI Charging	I <sup>1</sup>	=	Min. 10Amp max. 15Amp
	U	=	2.38V per cell
	I <sup>2</sup>	=	Min. 2Amp 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.