

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



12V Nominal Voltage

80% DoD Voltage Cutoff 11.4 (1,90VPC)

Nominal capacity 1.75VPC 20hr rate 97Ah 91Ah Capacity @25°C 10hr rate 85Ah

5hr rate

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

LxWxH(T) in mm : 329 x 170 x 205 (207)

BCI-Group

Weight 31kg (±2%) Female insert M8 **Terminal**

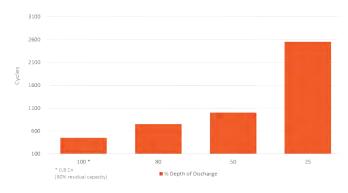
Terminal Torque Setting 6 Nm



Applications:

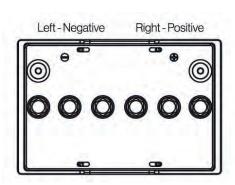
- Electric Vehicles (EV)
- Home Mobility Equipment (HME)
- Cleaning Equipment
- Aerial working platforms (AWP)
- All cyclic applications

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

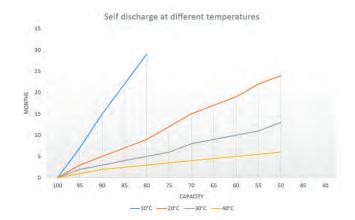
IUI Charging $I^1 = Min. 10Amp max. 15Amp$

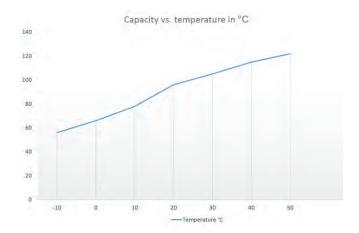
U = 2.38V per cell

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.