



Technical data sheet

MTG 145-12

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 61427 / 60896-21/22



Specifications

Nominal Voltage	:	12V
80% DoD Voltage Cutoff	:	11.4 (1,90vpc)
Nominal capacity 1.75VPC	:	20hr rate 150Ah
Capacity @25°C	:	10hr rate 146Ah
	:	5hr rate 129Ah
	:	
Self Discharge	:	< 3% per month (20°C)
Charge Temperature	:	Min. -10°C / Max. 50°C
Discharge Temperature	:	Min. -10°C / Max. 50°C
Storage	:	Min. 0°C / Max. 30°C

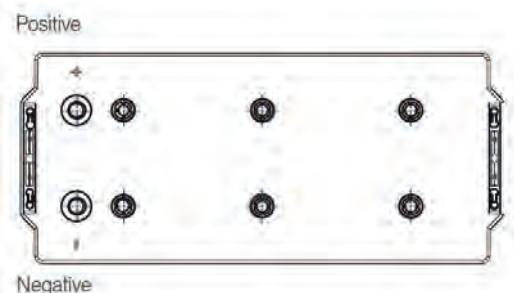
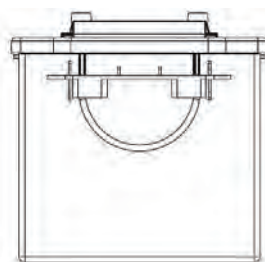
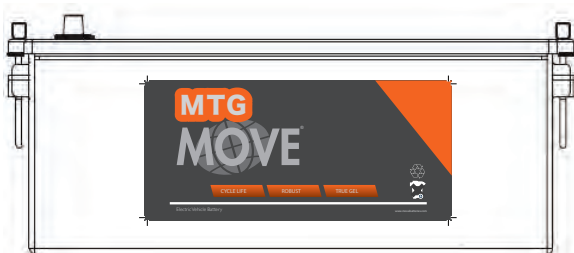
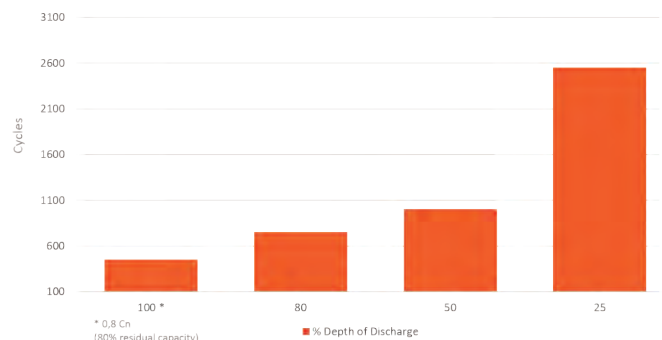
Dimensions

L x W x H (T) in mm	:	512 x 222 x 221
BCI-Group	:	4D
Weight	:	50kg (±2%)
Terminal	:	A-Pole
Terminal Torque Setting	:	n/a

Applications:

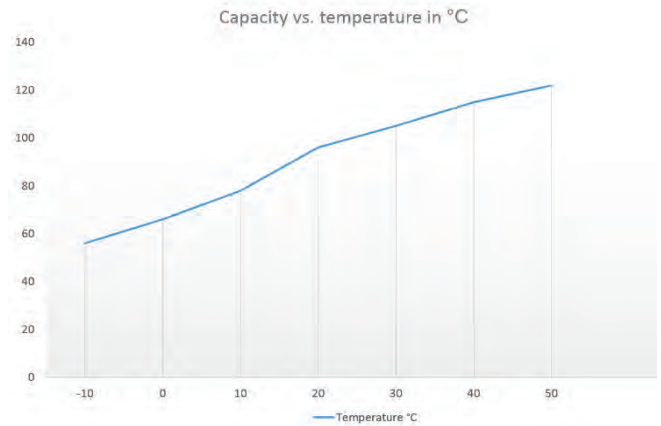
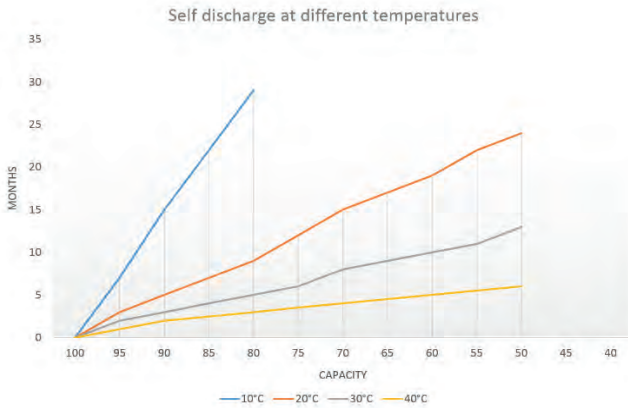
- Electric Vehicles (EV)
- Home Mobility Equipment (HME)
- Cleaning Equipment
- Solar applications
- All deep cycle applications

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. 16Amp max. 23Amp
	U	=	2.43V per cell
IUI Charging	I ¹	=	Min. 16Amp max. 23Amp
	U	=	2.38V per cell
	I ²	=	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.