



Technical data sheet

MTG 270-6

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

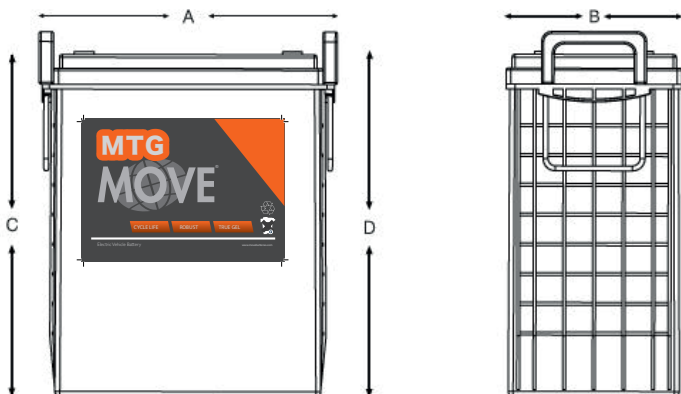
- Maintenance-free bloc batteries in Gel technology
- Stable high current performance for extreme conditions
- High-class patented safety valve
- Valve-regulated lead-acid battery filled with thixotropic gel.
- Classified as a non-spillable battery, not restricted for transport by:
 - Air (IATA/ICAO provision 67)
 - Ground (STB, DOT-CFR-HMR49)
 - Water (IMDG amendment 27)
- 700 cycles according to **IEC 254-1 / DIN EN 60254-1**

Specifications

Nominal Voltage	:	6V
80% DoD Voltage Cutoff	:	5.7 (1,90vpc)
Nominal capacity 1.75VPC	:	20hr rate 280Ah
Capacity @25°C	:	10hr rate 263Ah
	:	5hr rate 245Ah
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

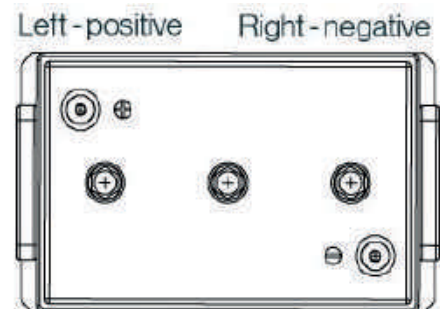
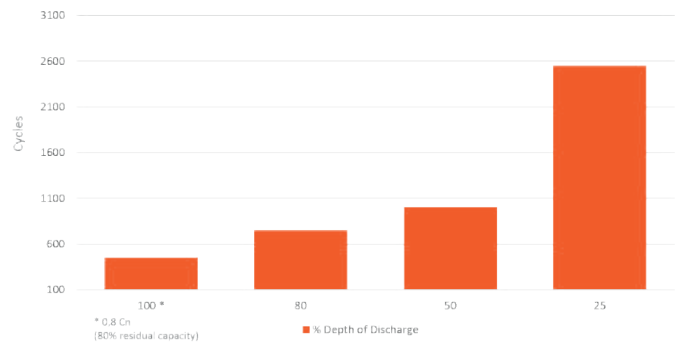
L x W x H (T) in mm	:	302 x 178 x 346 (349)
Industrie reference	:	Size 305
Weight	:	45kg (±2%)
Terminal	:	M8 Insert
Terminal Torque Setting	:	n/a



Applications:

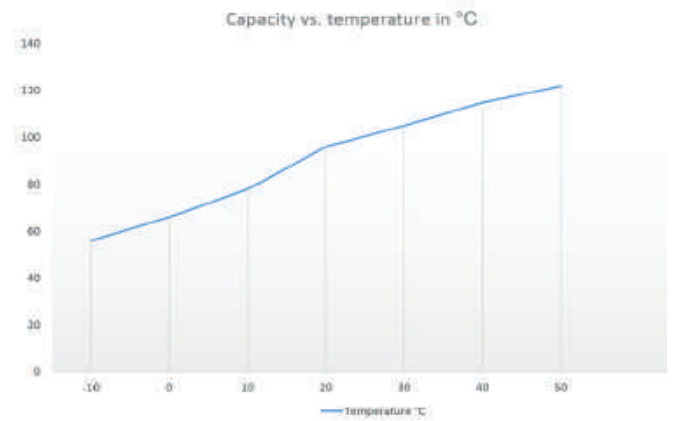
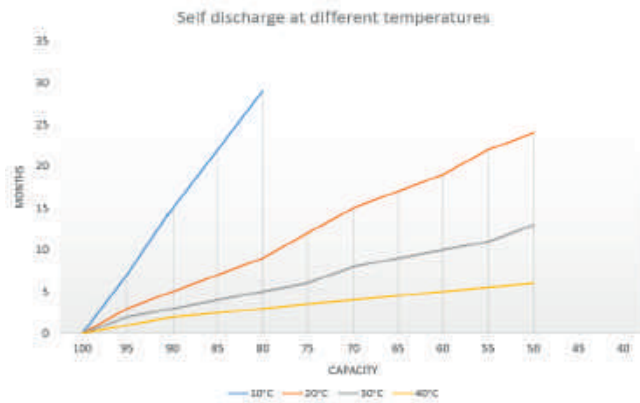
- Electric Vehicles (EV)
- Home Mobility Equipment (HME)
- Cleaning Equipment
- Solar applications
- All deep cycle applications

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. 30Amp max. 40Amp
	U	=	2.43V per cell
IUI Charging	I ¹	=	Min. 30Amp max. 40Amp
	U	=	2.38V per cell
	I ²	=	Min. 2.5Amp 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.
The range is extended and updated regularly, please check the website for all other types.