



MTG 270-6

6V-270Ah - GEL Battery

APPLICATIONS

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

SPECIFICATIONS

Nominal Voltage			6V
80% DoD Voltage Cutoff			5.7V (1,90 VPC)
Nominal capacity @20 hour rate	1.75VPC	270Ah	
Capacity at 25°C	Capacity at 25°C 10 hour rate	261Ah	
	5 hour rate	240Ah	
Shelf time @20°C up to 70%	in months	12	
Self discharge	per month	<3% (20°C)	
Operating temperature for (dis)charge	-10°C to + 50°C		

DIMENSIONS

Dimensions LxWxH (T) in mm	298 x 178 x 346 (367)		
Weight	45kg (±2%)		
Terminal	M8 insert		
Terminal torque setting	n.a.		
BCI-Group	305		

CHARGING PROFILE (25°C in cyclic application)

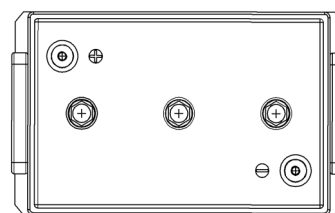
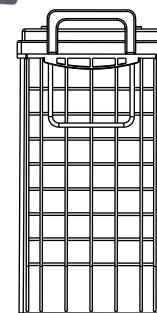
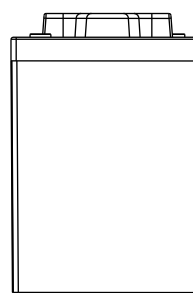
IU Charging	I =	Min 30Amp / max. 40Amp
	U =	2.43 per cell
IUI Charging	I ¹ =	Min. 30Amp / max. 40Amp
	U =	2.38V per cell
	I ² =	Max. 2.5Amp (for max. 4 hours to max. 2.65V per cell)
Float-Voltage	U-float =	2,30VPC
Temperature compensation is 3 Mv per degree°C up or down from 25°C		

CYCLE LIFE

To maximize the cycle life of the battery, we recommend to charge the battery fully after use. The total life of the battery, is very dependant on the correct charge and depth of discharge per cycle.

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
- 700 cycles according to IEC 254-1 / DIN EN 60254-1



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

