



# MTG 200-12

## 12V-200Ah - GEL Battery

### APPLICATIONS



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

### SPECIFICATIONS



Nominal Voltage		12V
80% DoD Voltage Cutoff		11.4V (1,90 VPC)
Nominal capacity @20 hour rate	1.75VPC	200Ah
Capacity at 25°C	Capacity at 25°C 10 hour rate	195Ah
	Capacity at 25°C 5 hour rate	172Ah
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	512 x 276 x 240 (260)
Weight	67kg (±2%)
Terminal	SAE / A-pole
Terminal torque setting	n.a.
BCI-Group	8D

### CHARGING PROFILE (25°C in cyclic application)



IU Charging	I =	Min 21Amp / max. 30Amp
	U =	2.43 per cell
IUI Charging	I <sup>1</sup> =	Min. 21Amp / max. 30Amp
	U =	2.38V per cell
	I <sup>2</sup> =	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.

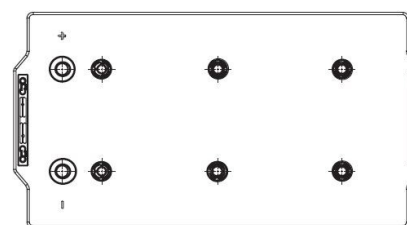
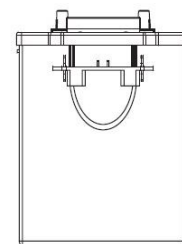
### FEATURES



- 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 61427 / 60896-21/22



Positive



Negative

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

