



MTG 76-12

12V-80Ah - GEL Battery

APPLICATIONS

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

SPECIFICATIONS

| | | | |
|---------------------------------------|------------------|--------------|------------------|
| Nominal Voltage | | | 12V |
| 80% DoD Voltage Cutoff | | | 11.4V (1,90 VPC) |
| Nominal capacity @20 hour rate | 1.75VPC | 80Ah | |
| Capacity at 25°C | Capacity at 25°C | 10 hour rate | 73Ah |
| | | 5 hour rate | 66Ah |
| 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 | 254 x 168 x 202.5 (204.5) | | |
| Weight | 24kg (±2%) | | |
| Terminal | Female insert M6 | | |
| Terminal torque setting | 6 Nm | | |
| BCI-Group | 24 | | |

CHARGING PROFILE (25°C in cyclic application)

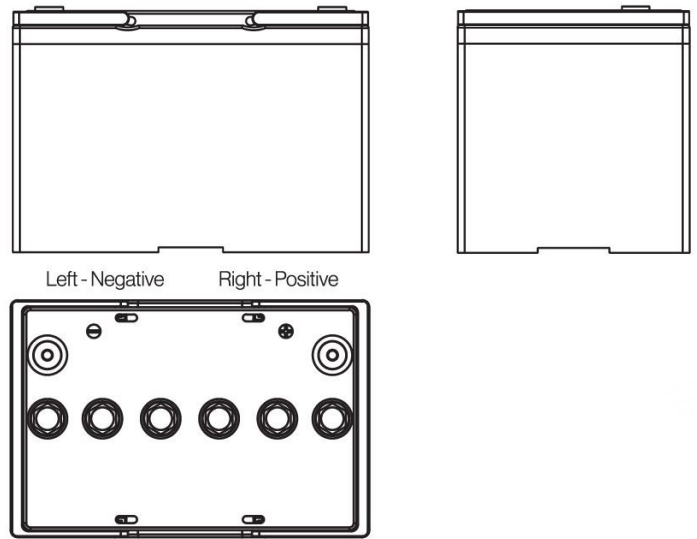
| | | | |
|--|------------------|---|--|
| IU Charging | I = | Min 8Amp / max. 12Amp | |
| | U = | 2.43 per cell | |
| IUI Charging | I ¹ = | Min. 8Amp / max. 12Amp | |
| | U = | 2.38V per cell | |
| | I ² = | Max. 1Amp (for max. 4 hours to max. 2.65V per cell) | |
| Float-Voltage | U-float = | 2,30VPC | |
| 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



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

