

**GemOne®**

# Battery Monitoring Solution

## Technical specifications



The batteries that power your industrial fleet drive your business forward. Avoid their unnecessary wear. Maximise their charge cycles. Prolong their lifespan. Our battery monitoring solution unleashes the potential of your battery-powered fleet.

# Avoid unnecessary wear Maximise charge cycles Prolong battery lifespan

BMS

## Power

**Low voltage** - 9-95V absolute min/max, Typically for 24V-60V batteries

**High voltage** - 40-150V absolute min/max, Typically for 60V-96V batteries

## Physical specifications

**Dimensions:** 31 × 40 × 186 mm  
**Weight:** 400g  
**Ingress protection:** IP68  
**Operating temp.:** -20°C to +70°C  
**Conformity & Certifications:** CE, RED

## Consumption

**Maximum:** 3W  
**Normal operation:** 0.5 - 2W  
**Sleep mode:** <0.3W  
**Hardware protection (low voltage):** 0W

## Connectivity

2 status LEDs  
Hardware support for CAN2.0A/B (reserved for future use)  
Bluetooth Low Energy 4.2 and 5.0  
Global coverage using 4G LTE Cat 4 with 2G/3G fallback using  
**3 hardware versions:**  
**EUX** Europe, Middle East, Africa, Thailand and Singapore  
**AUX** Australia, New Zealand, Latin America, Japan and South Korea  
**AFX** North America

## GNSS (positioning):

**Receiver:** GPS/GLONASS/BeiDou

## Sensors:

**Digital inputs:** 2  
**Temperature:** -20°C to 110°C (1°C resolution)  
**Electrolyte level**  
**Hall sensor**  
**Current resolution:** 0.1A  
Low voltage: 300A  
High voltage: 800A  
**Voltage resolution:** 0.01V resolution  
Low voltage: 9 - 95V  
High voltage: 40 - 150V

## For a more efficient battery-powered fleet

Contact us on [info@gemone.com](mailto:info@gemone.com) for more information or a demonstration of the full GemOne Battery Monitoring Solution.

