

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 for more information or a demonstration of the full GemOne Battery Monitoring Solution.

