

Smart Battery Monitor

SBM-01 | Technical Data Sheet

inVENTUS[™]
POWER



Tool-less installation
with simple plug-n-play assembly



Intelligent monitoring for
multiple strings of battery packs



Rugged design for harsh
environments



Designed to meet **UL, IEC,
CE & RoHS**



IP67 protection
against water & dust
(front panel)



- **Data reporting** of state of charge (SOC), state of health (SOH), battery voltage, run time remaining, and lifetime Ah consumed
- **Auto baud rate detection** (125kbps to 1Mbps)
- **Limp home mode** notification
- **Intelligent diagnostics** to report battery faults
- **Drop-in-replacement** for lead acid and intelligent battery systems
- Integrated **CAN termination resistor**

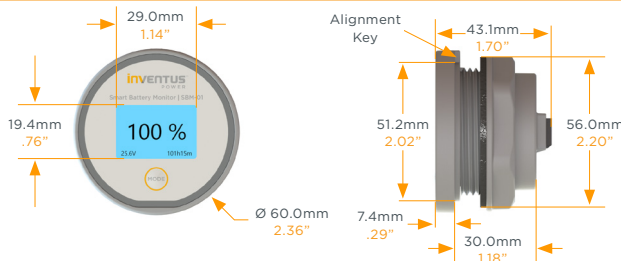
Electrical Specifications

Supply Voltage Range	9 to 60VDC
Typical Power Consumption	1.4W
Max Power Consumption	1.8W
Communication Specifications	<p><i>Protocol</i> J1939, CANopen</p> <p><i>Baud rates</i> 125Kbps to 1Mbps</p> <p><i>Automatic baud rate detection</i></p> <p><i>CAN termination resistance</i> 120 ohm included</p>

Operational Specifications

Operating Temp	-30°C to 70°C
Storage Temp	-40°C to 80°C
Humidity (Operating)	5% to 85%

Mechanical Specifications



Installation	Flush mount
Ingress Protection	IP67*
Torque (Nm)	3 (hand tighten)
Weight	70g (0.15lbs)

Certifications (pending)

- UL 583
- EN50498
- FCC Class B
- CE
- WEEE
- RoHS
- IEC 61000-4-2
- IEC 61000-4-4
- ICES-003

Accessory

2m shielded battery pack to Smart Monitor communication cable (Cable P/N varies depending on battery model)

Inventus Power reserves the right to make adjustments to this document at any time, without notice or obligation.

All data in this publication is for reference use only. Models may vary from shown. *Front panel ingress protection when installed



**Request
more information**

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