



VGM-Series Voltage and Ground Fault Monitors



VGM-Series Monitor

Product Overview

The Eagle Eye **VGM-Series** is an inexpensive and simple solution for monitoring battery string voltage and battery ground faults. For monitoring of both string voltage and ground faults, the **VGM-100** is available. The **VM-100** is available for only monitoring string voltage, and the **GFM-100** is available for monitoring of ground faults.

All models read battery bus status, detect out-of-limit conditions, and provide alarm indications per user settings. The monitor's status, under-voltage and over-voltage trip values, ground fault, time delay, and IP address settings are accessible on the color touchscreen. Output contacts and Modbus protocol are available on all units. The VGM-Series is extremely durable and easily installed as a wall, panel, or DIN rail unit.

Product Features

- Color touchscreen with simple interface
- Ethernet connectivity to web interface
- Modbus TCP/IP output for all measured parameters
- Simple installation with mounting kit for DIN rail or wall mount
- Monitor 24, 48, 125, or 250 volt batteries
- Form C contacts for each measured parameter



GFM-100 Installation

Technical Specifications

Measurement Range:	24V: 17.5-28, 48V: 40-56, 125V: 90-150, 250V: 180-300
Accuracy:	Better than 1%
Fault Resistance Limit Set:	1 – 100 kOhm
Communication:	Modbus TCP/IP, (4) Form C contacts
Contact Rating:	125 VAC/VDC: 0.5A / 30VDC: 2A
Maximum Switching Power:	60 W
Power requirements:	Powered by connected battery DC voltage
Noise Immunity:	IEEE/ANSI Standard C 37.90a-1989 compliance
Time Delay to Alarm:	Adjustable 1 – 999 seconds
Operating Environment:	Temp: 0 – 55°C (32 – 131°F), Humidity: 0 – 95% RH
Dimensions / Weight:	147 x 91 x 45 mm (5.77 x 3.56 x 1.77 in.) / 284 g (10 oz.)

Kit Includes

- VGM-Series monitor
- DIN rail mounting clip
- Backplate for wall mounting

Ordering Information

Model No.	Description
VGM-100-XXX ⁽¹⁾	Voltage & Ground Fault Monitor, available for 24, 48, 125, or 250 volts
VM-100-XXX	Voltage Monitor, available for 24, 48, 125, or 250 volts
GFM-100-XXX	Ground Fault Monitor, available for 24, 48, 125, or 250 volts

¹⁾ Determine part number for required voltage, Ex. VGM-100-XXX would be VGM-100-125 for 125V applications.