

# VGM-100 Battery Ground Fault & Voltage Dual Monitor



VGM-Series Monitor

### Product Overview

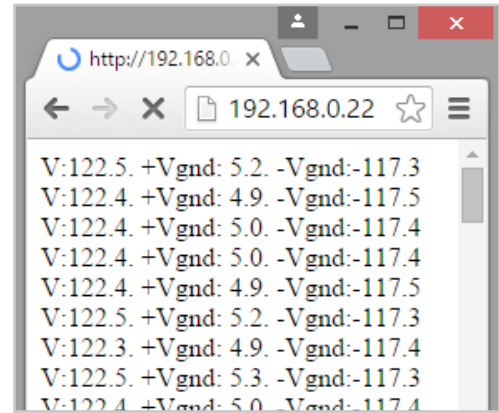
The Eagle Eye VGM-100 Battery Voltage and Ground Fault Monitor is a combination battery voltage and battery ground fault monitor that reads battery status, detects out-of-limit conditions, and provides alarm indications at precise user settings for 24V, 48V, 125V and 250V systems. The VGM-100's status, adjustable under voltage and over voltage trip settings, ground fault, time delay (0-999 secs) and IP address settings are easily accessed on the user-friendly color touchscreen. The unit is equipped with a total of four (4) Form C Output Contacts for alarm conditions - (1) for Under Voltage, (1) for Over Voltage, (1) for Positive Ground Fault Conditions, and (1) for Negative Ground Fault Conditions. Modbus protocol is available on all units. The VGM-100 is extremely durable and easily installed as a wall, panel, or DIN rail unit.

### Features

- Color touchscreen simple interface
- Ethernet connectivity to web interface, (4) Form C Contacts
- High reliability & durability
- Modbus TCP/IP output for all measured parameters
- Simple installation with mounting kit for DIN rail or wall mount
- Monitors 24V, 48V, 125V, & 250V batteries

### Applications

- Power Utilities
- Telecommunications
- Mission Critical Facilities
- UPS Systems
- Power Generation & Distribution



Web-Interface for Monitoring

### Technical Specifications

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

### The VGM-100 Includes

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

### Ordering Information

No.	Model #	Description
1	VGM-100-XXX	Voltage & Ground Fault Monitor, available for 24V, 48V, 125V, or 250V

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