DPS Telecom

"Your Partners in Network Reliability Management"

Product Summary

BVM 48 G2

Battery & Voltage Monitoring

Easily keep track of your power levels with this dedicated battery-monitoring platform.

Benefits of the BVM 48 G2

- **Monitors 48 individual cell voltages and temperatures**
- **Daisy-chain only as many D-Wire sensors as you need for your cells**
- **Reports threshold events on a threshold basis to your SNMP manager**
- **Temperature monitoring at each cell**
- **Built-in web browser interface for battery monitoring via any PC on the network**
- **Very accurate readings over a small voltage range**
- **Provides instantaneous voltage readings**

Overview

This RTU was designed to do one thing: Monitor your battery cell voltages for ultimate visibility over your power supplies. The BVM 48 monitors up to 48 cells and reports voltage and temperature threshold alarms via SNMP.

In addition to these threshold alarms, the BVM also sends notifications should a battery cell and/or string fall out of its normal (average) range by more than a desired percentage. Your SNMP manager issues periodic GET requests against specific cells, and offers both instant readings and trending to track battery voltages over time.

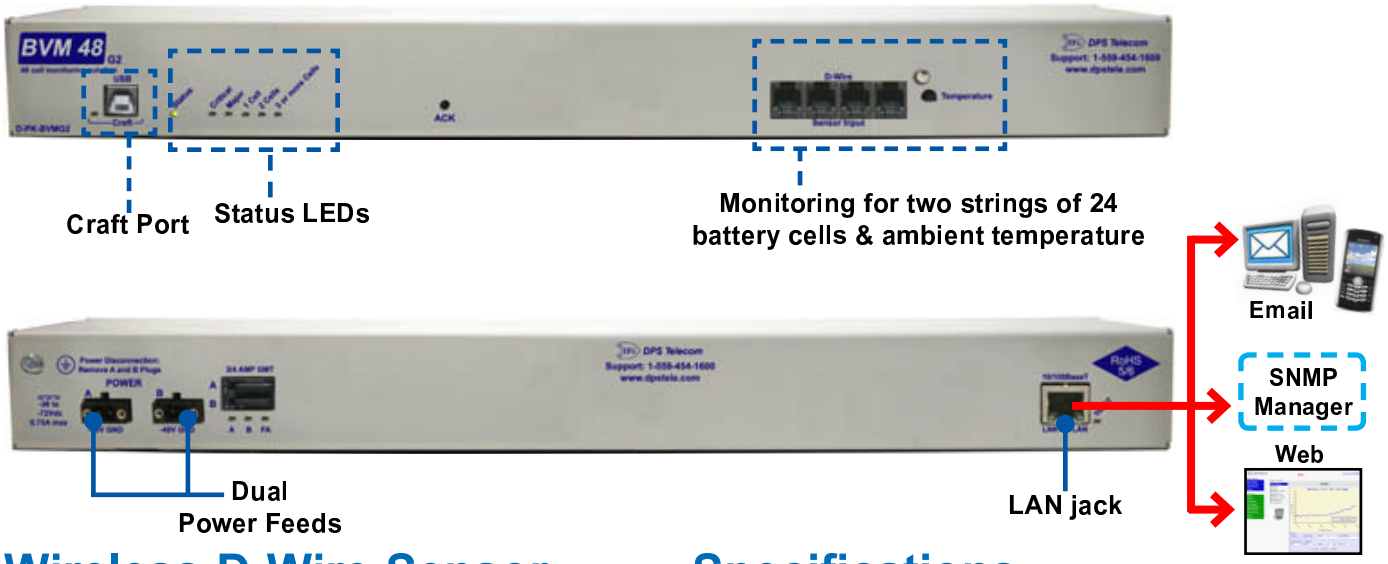
In an alternate configuration with a NetGuardian 832A or 864A, the BVM's threshold alarms are passed through as local NetGuardian analogs. This config gives you the advantage of reporting alarms from the same IP address as the NetGuardian. The BVM 48 also makes a great standalone, battery-monitoring solution.

Add one D-Wire Sensor Module for each battery cell to be monitored. The modules connect via daisy-chain to the front-panel of the BVM 48. Each module measures both battery cell voltage and temeperature. Daisy-chain up to 12 sensors from each of the BVM's 4 front-panel D-Wire ports (48 sensors total).

Precise Sensor Data & Convenient Setup

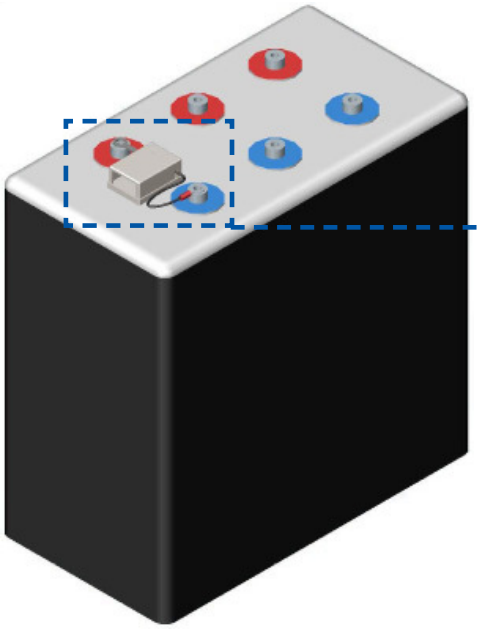
The BVM's external D-Wire sensors and onboard ambient temperature sensor measure continuous ranges of voltage and temperature. The D-Wire sensors can be daisy-chained (up to 12 sensors per chain, and up to 4 chains per BVM) for convenient attachment to your battery strings. D-Wire sensors require no external power. All required sensor power is drawn directly from the BVM 48 over standard RJ11 cables. D-Wire sensors are automatically recognized and configured by the BVM, and readings can be immediately viewed in the BVM's web interface.

Front & Back Panel Views



Wireless D-Wire Sensor

Wireless applications are available to extend the distance between the BVM 48 G2 and where your batteries are located by up to 1 mile.



Specifications

Temp Sensors:	1 integrated ambient, 48 on D-Wire sensor modules
Battery Cell Inputs:	48 on D-Wire sensor modules
Analog Thresholds:	4 per input
Protocols:	SNMPv1 and v2c, DCPx, Telnet, HTTP, HTTPS, Email
Dimensions:	1.72" H x 17.03" W x 6.64" D
Mounting:	19" or 23" rack or wall mount
Visual Interface:	7 Front panel LEDs 3 Back panel LEDs
Power Input:	-48 VDC (-40 to -70 VDC)
Current Draw:	400mA @ -48 VDC
Fuse:	3/4 Amp GMT
Interfaces:	1 RJ45 10/100BaseT Ethernet 1 USB front panel craft 4 RJ11 D-Wire sensor ports
Audible:	Front panel alarm speaker
Operating Temp:	32° - 140° F (0° - 60° C)
Operating Humidity:	0% - 95% non-condensing
MTBF:	60 years

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