

You're receiving this email because of your relationship with Newmar. Please [confirm](#) your continued interest in receiving this newsletter.

You may [unsubscribe](#) if you no longer wish to receive our emails.



Newmar News

April 2009

In This Issue

[Site Power Monitor Solves Mysterious Problem in Microwave System](#)

[NEW! Power Distribution System Saves on Installation Time](#)

Quick Links

- [Register a Colleague Now](#)
- [More About Us](#)
- [Powering the Network](#)
- [DC Power Onboard - Emergency & Specialty Vehicles](#)

Dear Eric,

Welcome to the Newmar News; a quick and easy read, yet presenting relevant DC Power application ideas for Land Mobile, Cellular, Broadband, and Microwave wireless networks. And on occasion, some helpful DC Power tech tips.

We appreciate you taking a little time out of your day to read what is happening while Newmar powers the network. Don't forget to scroll down to the bottom of the newsletter to request your free Newmar Screwdriver.

Regards,

Eric Harmon

Site Power Monitor Solves Mysterious Problem in Microwave System

A [Site Power Monitor](#) recently installed in a tower south of Ft. Stockton, Texas assisted the Site Maintenance Personnel to identify a recurring problem with their microwave backhaul feed. The microwave system was re-booting randomly with no explanation and was causing great concern.

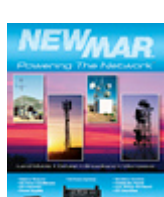
The SPM-200 was installed to monitor a system comprised of a generator producing 240 VDC, an inverter with 110 VAC output, 12 VDC being produced by generator batteries, 24 VDC from system batteries, and a dry set of alarm contacts for the generator.

The Site Power Monitor is a new device designed specifically for monitoring power supplies, rectifiers, batteries, converters, inverters, UPS, distribution panels, and AC power at communication sites, base stations, outdoor enclosures, and command vehicles via Ethernet or Wireless connection. The palm sized unit can be mounted virtually anywhere and is easily adapted to essentially any make of power system via nine sensor input ports which capture and stream critical data via the Internet for analysis and logging of site history. Web page based programs are easily configured for site parameters with up to 50 desired alarm condition settings and multiple automatic notification options by e-mail or cell phone. This enables you to view current conditions at remote sites before dispatching personnel.

After installing the SPM-200 and analyzing the feed over the Internet, they discovered the microwave system would re-boot when the generator turned-off. On the graph below, which is part of the SPM monitoring software, the trailing end of the two large spikes is when the system would re-boot indicating the "Line Voltage" went from 215 VDC to 0. This prompted the maintenance personnel to install a battery back-up on the microwave system's power supply solving the problem; initially the system was only powered by the inverter. This application demonstrates the functionality of the Site Power Monitor.



Powering the Network Catalog

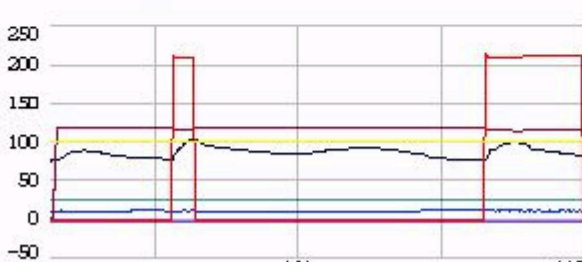


For a complete reference guide to your DC Power needs for wireless networks and land mobile applications, [click here](#) to download a printer friendly PDF "Powering the Network" catalog.



Sensors

Temperature (F)	82.400 °F
Generator Battery	13.2 V
24 Volt Battery Bank	25.6 V
Volts DC	0.0 V
	-1.3 A
Inverter Voltage	117.9 V
Line Voltage	0.2 V
Generator Run Status	Open 100=open 0=closed
	Open 100=open 0=closed
	Open 100=open 0=closed



Rack Mounting Kit Available

The Site Power Monitor Rack Mount kit, model RM-SPM is available. The kit allows for two mounting options, a front panel mount or a recessed mount and only occupies 2RU (3.5") of vertical rack space.

For more information on the Site Power Monitor or the Rack Mount Kit, please visit us [online](#) or email jeffw@newmarpower.com.

NEW! Power Distribution System Saves Hours on Accessory Installations



Newmar introduces the new [Power Distribution System](#), model PDS, a vehicle power protection and distribution system. The PDS simplifies your installation and creates the ultimate solution for multiple radios and mobile data installations. The Power Distribution System can power most of your vehicles' accessories including: Lights, Video, Radar, Mobile Data Computers, and Communication Systems.

The PDS unit can mount anywhere on the vehicle and provides up to 20 fused circuits offering a combined configuration of timed, hot, and switched circuits up to 100 amps total. Terminals are clearly identified and utilize ATC fuses. Each fuse position features a warning light that alerts you when a fuse is blown and identifies which one requires replacing, simplifying your trouble shooting and field service repairs.

LABOR SAVINGS

Newmar's Power Distribution System features labor saving plug-in connectors providing quick attachment to your harness assemblies. This saves hours of installation time and facilitates the quick transferring of equipment to a new vehicle.

SAVES BATTERIES

Utilizing the timed-circuit feature, the PDS automatically turns-off unattended radios, computers, or any electronic device after a preset amount of time. The timed circuits are user programmable from 2 minutes to 13 hours. This protects against dead vehicle batteries caused by power drain from electronics that must be left on while the engine is off. Also, a built-in Low Voltage Disconnect function automatically shuts-off all PDS powered equipment when the input voltage drops below 10 VDC, protecting the batteries from an early battery death by preventing them from discharging beyond a critical low voltage.

Also available are optional Plug-n-Play Wiring Kits for Crown Victorias, Dodge Chargers, Chevy Tahoes and Impalas, and other vehicles for easy installation.

For more information on the new Power Distribution System for emergency and specialty vehicles, please visit us [online](#).

Free Newmar Screwdriver

We would love to hear your feedback on the Newmar News. E-mail us at marketing@newmarpower.com with the subject line "Newsletter" and let us know what you think. Include a mailing address and a Newmar Powering the Network screwdriver will be on its way to you. Thanks!



For more information, please visit www.newmarpower.com or email us at sales@newmarpower.com.

Sincerely,

Jeff Wright National Sales Manager Eric Harmon Director of Marketing Communications

[Forward this newsletter to a friend.](#)

[SafeUnsubscribe®](#)

This email was sent to eharmon6136@netzero.net by marketing@newmarpower.com. [Update Profile/Email Address](#) | Instant removal with [SafeUnsubscribe™](#) | [Privacy Policy](#).

Email Marketing by

