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NEWMAR® Powering the Network

Newmar News

December 2007

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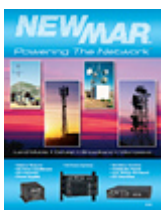
Dear Eric,

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

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.

Computer Crash Protection in Police and Emergency Vehicles

After two hours at the accident scene with all emergency lights flashing, the police officer was filing his report when the computer screen blinked off. The alternator could not keep up with the load which discharged the battery, which then failed to supply proper voltage to the on-board computer. The ensuing power 'crash' deleted the report, corrupted other files, and required a trip back to the station to reinstall the software.

Proper computer shut down sequence before a critical decay of voltage would prevent this often-recurring scene of inefficiency and frustration in police cars, ambulances, and fire trucks. A solution is needed; a device to monitor available vehicle power, and automatically shutdown the mobile computer properly before a voltage-created crash occurs.

This solution is now available called the Computer Power Sentry. It monitors and shuts the system down due to low voltage as well as an 'engine off' time interval. If either occurs, an on-screen advisory appears and if voltage restoring action is not taken by the operator, the computer will automatically shut down to avoid corruption of applications and data, thus preserving files, executables, and operator sanity.

Please visit our website for more information on the Computer Power Sentry.

Natural Disasters Can't Stop AC Power

Natural disasters, like the recent fire storms in Southern California, can strike anywhere any time cutting AC power. With utility AC power lost, wireless sites utilize DC powered equipment that run off back-up batteries, however some critical equipment operates on AC only, and need an AC back-up source.

TheRack Mount Inverters are available in a wide range of input voltage to accommodate AC back-up for critical applications. They feature a fast-acting transfer circuit providing transparent switch-over to pure AC sine wave back-up, thus enabling equipment to continue operating at full performance in the event of AC power interruption. User friendly diagnostic displays indicate system status and monitor AC fault and DC abnormal conditions, which can also be wired to activate remote and local alarms via the internal form C contacts. Additional system monitoring via the internet using a RS-232 port and SNMP card is optional.

Operating from DC inputs of 24, 48 or 110 VDC and producing AC power ratings of 1000 or 2000VA gives site mangers a wide choice of solutions.

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.newmartelecom.com or email us at sales@newmarpower.com.

Sincerely,

Jeff Wright
National Sales Manager

Eric Harmon
Director of Marketing Communications

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