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NEWMAR® Powering the Network

Newmar News

May 2007

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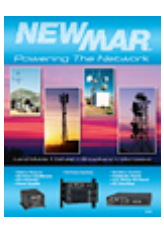
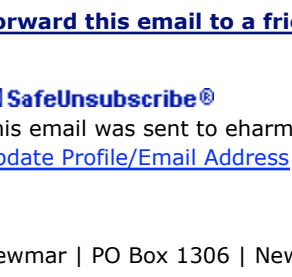


For a complete reference guide to your DC Power needs for wireless networks and land mobile applications, click here to download a printer friendly PDF "Powering the Network" catalog.



Dear Eric,

Welcome to the inaugural electronic version of 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.

Newmar offers you a broad range of DC power products with an earned reputation of high reliability and quality in powering wireless networks. Specialized DC power components with various power and mounting configurations include rectifiers, DC converters, battery chargers, inverters, and distribution panels.

In addition, Newmar's engineering team offers comprehensive system integration services: system consultation, engineering, manufacturing, assembly, test, and delivery of fully integrated and functional power plants, precisely tailored to meet individual customer requirements.

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 receive your free Newmar Screwdriver for being part of this first issue.

Regards,
Eric Harmon

48 Volt Rectifiers and Battery System for Point-to-Point Microwave Transmitters

The Unity Rectifier System integrated with the Battery Module series creates a comprehensive DC power system providing 48 volts for point-to-point microwave transmitters along with an integrated battery back-up function for ride through when utility AC power is down.

The Unity, model UR-48-3, provides 48 VDC at 3 amps per modular unit that inserts in a rack mount shelf, which accepts up to 3 modules for N, N+1, and N+2 configurations. In case of critical dependance on the wireless network, additional Unity Rectifier modules provide critical systems with redundant DC power, thus ensuring high reliability.

In situations of utility AC power failure, minimize transmitter down time with an easy to install battery back-up system. Using a modular approach, this system does all the hard integration work for you. No need to source battery cells, mounting trays, interconnect cables, terminals, lugs, and circuit breaker because they are all included in the Battery Module System. The system is ideal for backing-up low power point-to-point microwave transmitters, assuring the system remains up when AC power is down. The 48 volt, 5 amp-hour modules provide easy scalability to meet reserve run time requirements. Each shelf accomodates two battery modules and shelves can be paralled via modular connectors.

For more rectifier power level options, please visit us at www.newmartelecom.com.

The Essentials of DC Power Distribution

Management of DC power is essential for reliable wireless system operations. System buss voltage and current from rectifiers and reserve batteries must be selectively routed via a DC distribution system to the site's multiple devices to protect wiring and provide control and monitoring.

The rackmount DC distribution panels provide all these critical functions. The panels route up to 900 amps at 24 or 48 volts to various equipment via circuit breakers which easily plug into the front panel. Service personnel appreciate the built-in alarm contacts which indicate circuit off-line due to overload only, as well as the finger tip control allowing selective circuit shut down for maintenance without affecting the entire system.

For more information, visit our web page on circuit breaker distribution panels.

Free Newmar Screwdriver

We would love to hear your feedback on the inaugral electronic 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.

Sincerly,

Jeff Wright
National Sales Manager

Eric Harmon
Director of Marketing Communications

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