



No Power, No Problem: Alpha Brings Power to Small Cell Sites Where Electricity is Unavailable

Charlotte, NC. May 21, 2018 – Alpha Technologies Ltd., the power behind the evolution of communications networks, unveiled two new Remote Line Power (RLP) products for delivering power to small cell networks where electricity is unavailable. The **TE33-1820 Remote Power Node** is an outdoor power cabinet that can be installed in the center of a small cell network to deliver power via copper cables for up to forty-eight (48) small cells. The **LPR48-300**, a sealed, down-converter mounted nearby the small cell, takes the power off the copper cables and delivers 300 Watts of 48Vdc to energize the small cell. Both products will be displayed at the 2018 Connectivity Expo taking place at the Charlotte Convention Center on May 21-24, 2018.

“Neutral hosts and network providers frequently encounter situations where the ideal RF location for the small cell does not coincide with the availability of electricity from the power utility,” said Satheesh Hariharan, Product Manager, Product Manager – Outside Plant Solutions. *“We solved that problem by developing solutions that can deliver power over traditional OSP copper cables that are installed alongside the fiber optic cable used for backhaul. With the TE33 and LPR48-300, network builders can ensure power is available throughout their network, even remote sites where electrical utility power isn’t available.”*

The TE33-1820 Remote Power Node is a NEMA 3R outdoor enclosure that incorporates Alpha’s modular Cordex HP 1.2kW rectifier shelf, LPS36 up-converter system, and cable connection/protection devices to provide forty-eight (48) ± 190 Vdc line powering channels. From a single AC utility power source, the TE33 can deliver power to up to 48 small cells located up to thousands of feet away. The compact footprint of the cabinet (33H x 18W x 20D inches) makes it ideal for pole- or pad-mount installations.

At the small cell site, Alpha is introducing the LPR48-300-IP67, the latest in a series of down-converter products that convert the ± 190 Vdc line voltage to 48Vdc for powering the small cell. The LPR48-300 down-converter unit accepts input from up to four twisted pair copper lines to produce a single 48Vdc, 300W output. It complements its predecessor, the LPR48-150, which accepted two OSP lines and produced 150 Watts of output power. Both units are compact and lightweight (2.8H x 10.0W x 5.5D inches, 5 pounds), and are designed for strand, pole, or wall mounting nearby the small cell.

More information about Alpha’s remote line power products can be found at www.alpha.ca/linepower

For 40 years, Alpha Technologies has been an industry pioneer and global leader in the design and manufacture of AC and DC power. Our distinctive excellence is the ability to innovate and quickly deliver optimized solutions for our customers’ unique powering challenges in the Telecom, Wireless, Cable Broadband, Traffic, Security, Industrial and Renewable Energy industries. Alpha’s award-winning product strategy, TL 9000 certified quality system, and continuous improvement/operational excellence program focuses on providing the ultimate customer experience by supplying solutions of the highest quality, value and reliability.

See the products displayed at Alpha’s Booth #220 at Connect (X) in Charlotte. For more information, visit www.alpha.ca

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