

Product Bulletin: ComNet NEMA-Rated Wall-Mount & In-line Power Supply Units

To: All ComNet Sales Staff & Sales Representatives

From: Bruce Berman

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As most of you are aware, ComNet offers numerous products that are fully compliant with the environmental requirements of ITS-specific industry standard NEMA TS-1/TS-2. Until recently, the power supply units (PSUs) we furnish with these products were not tested for compliance with these requirements, and could not, therefore, be sold as being NEMA compliant. For some our customers, this created a major issue, as they mandated that not only the transmission equipment (i.e., modem or transceiver, media converter, Ethernet switch, etc.) be NEMA compliant, but the mating power supply unit be as well.

To address this need, we have submitted virtually all of our wall-mount and in-line/brick power supplies to an outside, independent laboratory for NEMA environmental testing. All of these PSUs have passed the required tests, and have been certified as being NEMA-compliant by this lab.

For several of these PSUs to be rated as NEMA-compliant, they must be de-rated by 50% from their normal current/amperage rating. In other words, for virtually all normal commercial or non-NEMA applications, they may be used at their rated current capacity, but for those applications where the power supply must meet NEMA certification, the current/amperage rating of the unit must be reduced by one-half of our normal rating. These units are as follows:

Model	Normal Current Rating	For NEMA TS-1/TS-2 Usage, De-Rate to:
PS12DC-3A	3 Amps	1.5 Amps
PS12DC-3A-US	3 Amps	1.5 Amps
PS9DC-US	0.7 Amps	0.35 Amps
PS12DC-5A	5.0 Amps	2.5 Amps
PS9DC1.67A-US	1.67 Amps	0.84 Amps

The following PSU requires no de-rating of its 1 ampere current rating to maintain full NEMA compliance:

PS24-1A-DIN

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The unit pricing and ComNet model numbering for these NEMA-rated power supply units will remain unchanged. Our data sheets for these PSUs will be revised in the near-term to include the NEMA TS-1/TS-2 testing and compliance statement, along with the de-rating information denoted above.

As these PSUs are now tested and certified for full compliance to NEMA TS-1/TS-2, we can use this to our major advantage when selling any of our transmission equipment, regardless of the vertical market. The customer should be apprised of the fact that since these PSUs are NEMA compliant, their use will significantly improve the overall reliability of the transmission equipment/power supply combination when this equipment is installed in virtually any benign/conditioned or severe/unconditioned operating environment. Very few of our competitors offer NEMA TS-1/TS-2-compliant and certified power supplies for their equipment, and if they do, there is frequently a major up-charge for such a unit.

Please feel free to contact me should you have any questions concerning this matter. I may be reached at (631) 462-0223 or at bberman@comnet.net.