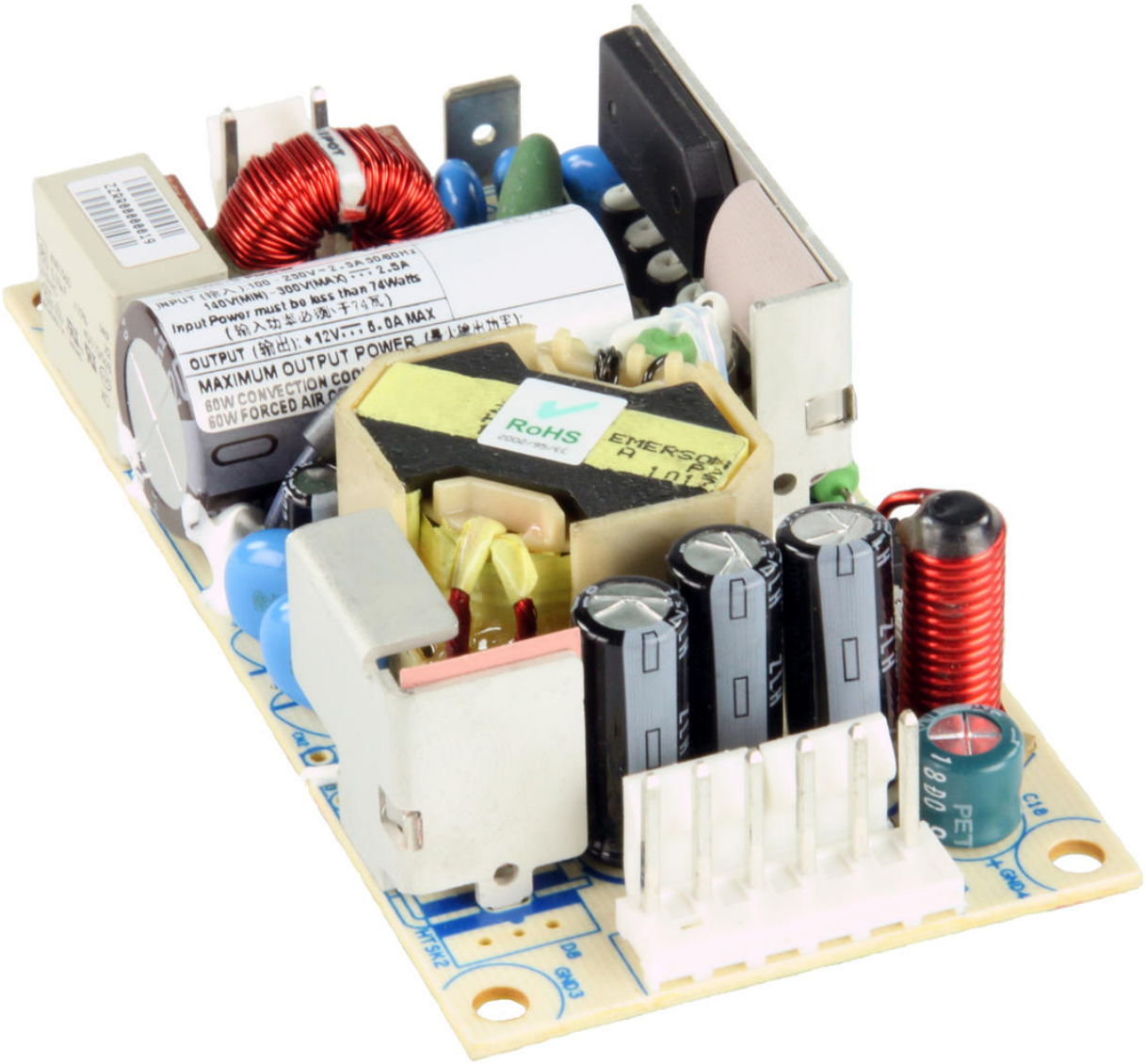
60 Watt Convection Cooled Medical Power Supply Power Operates up to 80 Degrees Celsius

MDT Staff



Emerson Network Power (St. Louis, MO) announced the latest addition to its portfolio of 60 W convection cooled open-frame ac-dc power supplies. The new NPS64-M has a 15 Vdc output, which can be adjusted by plus or minus 20 percent, and can deliver up to 4 A. It has a full load operating temperature range of zero to 50 degrees Celsius, and can be used up to 80 degrees Celsius with suitable de-rating.

Emerson Network Power’s latest NPS64-M power supply carries a comprehensive set of worldwide IT equipment (ITE) and non-patient contact and non-patient critical

medical safety approvals. The model has a compact 2 x 4 inch (51 x 102 mm) footprint and a height of just 1 inch (26 mm), which makes it ideal for use in light industrial, instrumentation and process systems, as well as in low-power dental and laboratory equipment. An optional enclosure kit (LPX50) is available for maximum protection.

The NPS64-M has a peak efficiency of 90 percent, and meets a variety of rigorous energy efficiency standards, including International Efficiency Level V and Energy Star 2.0, as well as being California Energy Commission (CeC) compliant. It features a wide universal input voltage range of 90 to 264 Vac and is also capable of operating from a 127 to 300 Vdc input. The NPS64-M has a maximum input power requirement of less than 74 W, and a no-load power consumption of less than 300 mW.

Emerson Network Power's NPS64-M power supply provides tight regulation, maintaining the output voltage to within plus or minus two percent for all standard line and load conditions, and features remote sense capabilities to compensate for a 0.5 V drop in the output cables. The power supply is comprehensively protected against fault conditions and has a high demonstrated mean time between failures (MTBF) of more than 550,000 hours.

For more information, visit: www.Emerson.com [1].

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[1] http://www.Emerson.com