External Power Supply Series for Medical, IT and Telecommunications Applications

Emerson Network Power has expanded its portfolio of AC/DC power supplies with the introduction of the DP40 external switching power supply series. The DP40 series is the first external adapter family from the Embedded Power business of Emerson Network Power to feature both Information Technology Equipment (ITE) and medical-grade (non-patient contact and non-patient critical) safety approvals, making them well suited for low-power medical, telecommunications, test and measurement, networking and imaging applications. To further enhance the series' flexibility, the power supplies are equipped with either 3-pin (type C14) or 2-pin (type C8) IEC320 ac input receptacles.

The DP40 power supply series comprises 12 new models in six power ratings ranging from 9 to 48 Vdc with up to 40 W of fully regulated output power. These new external adapters accept a wide universal input range of 90 to 264 Vac (127 to 300 Vdc), enabling the products to be used anywhere in the world. The 3-pin versions have a safety-ground leakage current of less than 300µA, while the 2-pin versions offer less than 100µA.

All models are designed to achieve high levels of efficiency and reliability. The DP40 power supply series is compliant with WEEE, CeC IV and Energy Star 2.0 efficiency standards and offers a typical operating efficiency of 84 percent at full load.

Under normal operating conditions, the power supplies require less than 49 W of input power and consume less than 300 milliwatts of power under no-load conditions.

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