Wall-Mount AC-DC Adapters with Medical and ITE Approvals and Interchangeable Plugs

Emerson Network Power has released two new wall-mount switching power supplies with medical and IT equipment safety approvals. The DA12-M (12 W) and DA18-M (18 W) adapters are available in both fixed and interchangeable AC plug configurations and meet stringent Energy Star Level V efficiency standards. The Level V efficiency mark corresponds to specific demonstrated minimum active and no-load efficiency levels and a power factor requirement.

The Emerson Network Power DA12-M is available with 5 V or 12 V outputs. The DA18-M has a 15 V output and in its interchangeable version, the US and EU plugs can be inserted straight or at a 90° angle. Both models feature universal 90 to 264 Vac inputs in multiple AC plug configurations. US, UK, EU and AU plugs are available on all models, with C8 available for the interchangeable versions only.

The DA12-M and DA18-M feature a slim form factor - enabling the use of multiple adapters in dual wall outlet configurations. To ensure best-in-class power reliability, the new power adapters feature comprehensive protections against overvoltage, overtemperature and short-circuit/overload conditions. The flexible power adapters also support a wide range of ambient operating temperatures from 0°C to 40°C, have a ground leakage maximum current of 100 µA at 50/60 Hz and provide constant voltage/current output.

In addition, the adapters comply with rigorous EN55022-B and FCC part 15 Level B EMC standards for conducted noise, feature built-in EMI filtering (CISPR 22 Class B), and boast an extensive array of ITE and medical safety approvals including UL, cUL, TUV, AS/NZS, CB and CE certifications. They are also fully Restriction of Hazardous Substances (RoHS) compliant per EU directive 2002/95/EC.

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