



MDP/DDP520 Series of a 3x5" Footprint AC-DC Power Supplies Offer Key Benefits for Medical and Industrial Applications



Coming in a 3 x 5" open frame package, it offers a 520 W long lasting peak power, a layout optimized for free-air-cooling environments and a universal 90 – 305 V_{AC} input operating voltage range.

Osimo, Italy – Dec 20, 2023 – Enedo SpA, an international company which designs and manufactures custom and standard AC-DC Power Supplies and LED Drivers since 1986, is pleased to announce the immediate availability of the medically certified MDP520, and Audio/Video Information Technology DDP520 series of AC-DC power supplies. These robust power supplies come in an open frame 3 x 5 inches footprint package which layout has been specifically conceived to optimize and enhance natural convection cooling, providing up to 350 W at 50 °C ambient in all those applications, especially medical, where thermal management can rely only on a free air and space constraint environment, and where silent operation is an essential requirement.

The series provides a steady 460 W output power when forced air cooled and is capable of up to 520 W peak power for real 10 seconds. This feature makes the series an optimal solution for all those applications where a temporary high demand of power is needed while the average power is lower.

The MDP/DDP520 power supplies can be operated over the 90 ÷ 305 V_{AC} input voltage range providing no derating at low voltages when forced air cooled, making them usable worldwide. Standard 24, 48 and 56 V_{DC} output voltages are immediately available, while 12 and 36 V_{DC} variants can be provided upon request assessment.

Offering a typical 94% power conversion efficiency, a lower than 0.35 W standby power consumption, and a greater 0.9 form factor in every working condition, the series ensures compliance with the latest AC-DC power supplies Eco-Design regulations.

The MDP520 medical version is certified to IEC / EN / UL 62368-1 offering 2xMoPP means of patient protection and is BF medical equipment compatible. The MDP520 series meets EN55011 and EN 60601-1-2 Class B limits for conducted radiated emissions, IEC / EN 61000-3 for harmonic flicker, and IEC/EN60601-1-2 4th edition for EMC immunity standards. Industrial versions, DDP520 is certified to latest IEC / EN / UL 62368-1 standard.

Enedo SpA offers a comprehensive portfolio of highly reliable Power Supplies and LED Drivers, providing customers with a unique opportunity to satisfy all their needs from a single source. Enedo SpA provides state-of-the-art technology combining high efficiency with high reliability, standard off-the-shelf and quick-turn customizable solutions, competitive pricing and, most importantly, personal service.

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