

## New medical 30W external power supply for type CF applications

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**Powerbox, one of Europe's largest power supply companies and for more than three decades a leading force in medical power supplies, introduces the EXM30 series of 30W external wall plug adaptors. With an input range of 85 – 264 VAC (reduced power below 100VAC) and output of 12, 15 or 24 VDC the series covers a large number of applications.**

*“When designing the EXM30 series we aimed high. The low leakage current requirements for type CF and critical care applications, the water ingress protection requirements of critical medical facility and home care applications, very high ambition for life expectancy, power losses, high peak power, etc., and a desire to have one standard unit for global use, were all on the list. Less than 10µA leakage current, IP 21 protection, Homecare 60601-1-11 approval, 88% efficiency, 440,000h MTBF, 85-264VAC input voltage, and a design with interchangeable AC plugs shows that we succeeded”* says Martin Fredmark, VP of Product Management.

The component lean flyback topology is housed in a compact designer enclosure with exchangeable AC plugs, class II isolation, and IP 21 protection. Although referred to as a 30W unit, nominal power is 36W and peak power an impressive 45W (considerably more for very short periods). Built in intelligent over temperature protection adds to both expected life and operation reliability. The uniquely low no load input power of less than 0,2W is another contributor to reduced energy consumption and reduced stress over time.

The EXM30 series can be a money saver in many ways. It's impressive price/performance ratio makes it a winner already day one for the really demanding applications. Also for other applications the low energy losses, long life expectancy, reliability in-use, and overload resilience might generate considerable savings over time. One version for global use facilitates inventory for everyone. In addition, by removing space requirement, heat generation, EMC emission, as well as some regulatory and certification requirements from the application, wall plug adaptors significantly reduce both development time and cost for the application, compared to using built in power supplies.

The EXM30 series meets electrical safety IEC60601-1 Edition 3, IEC60601-1-11, class II isolation, IP21 protection, as well as environmental RoHS, REACH and WEEE.

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*Powerbox, founded in 1974, is one of Europe's largest power supply companies. With the headquarters in Sweden and local operations in 15 countries on four continents Powerbox serves customers around the globe. With its extensive competence, experience and product range Powerbox combines the roles of power consultant and supplier, enhancing its customer's competitiveness by suggesting and supplying optimized power solutions.*

**For more information**

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