

RECOM

WE POWER YOUR PRODUCTS

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Medical-Grade Power – Simplified

Today's medical applications have tough regulatory requirements, so RECOM's medical-grade converters have been specifically designed to meet them without compromise.

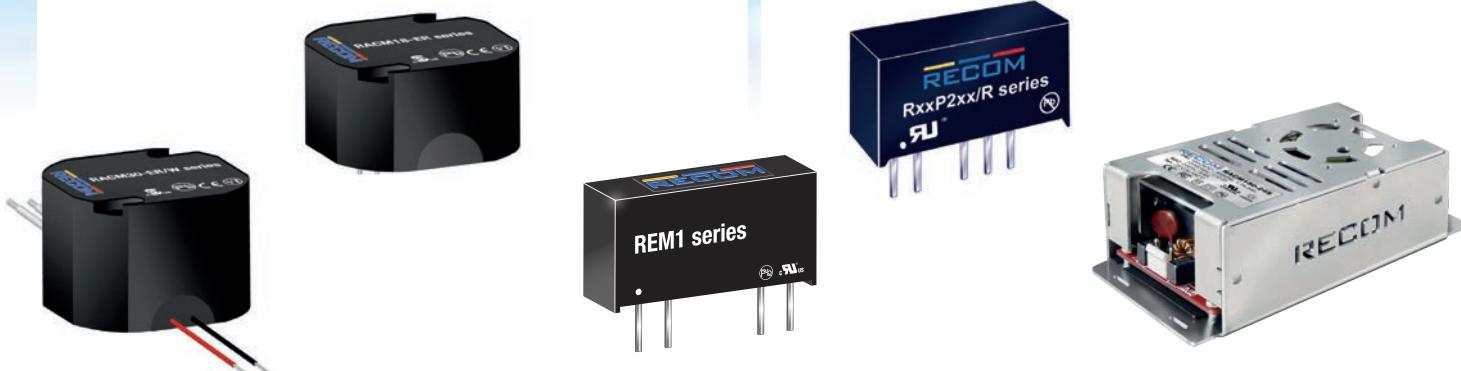
Due to the high-risk nature of medical applications, the corresponding electronic equipment must be held to very high standards of safety and reliability. RECOM's modular REM and RACM series converters offer complete, compliant solutions that reduce design time, simplify end-user certification and provide faster time to market. These DC/DC and AC/DC converter series feature reinforced isolation with two means of patient protection (2 x MOPP), low leakage (BF conform) and >8mm creepage and clearance distances. All medical-grade converters come fully tested and are complete drop-in products. With its RxxPxx/R & RxxP2xx/R series RECOM also offers medical DC/DC converters with an extended reinforced isolation of up to 8kVDC suitable for high voltage applications.

Main features:

- UL/IEC/EN60601 3rd Ed. certified with CB report
- No additional components needed for normal operation
- Built-in EN55022 Class A filter
- Reinforced isolation
- 2 x MOPP
- Low leakage current

Applications:

- Clinical medical equipment
- Home health care equipment
- High voltage monitoring systems



High-grade medical DC/DC converters

RECOM's REM1, REM3, REM6 and REM10 medical grade regulated DC/DC converters feature 250VAC working voltage, up to 5kVAC/1 minute reinforced isolation and low 2µA leakage. An optional external control pin brings standby consumption down to only 12.5mW.

Main features:

- 1, 3, 6 or 10W DC/DC converters
- REM1 in compact SIP7 package
- REM3, REM6 and REM10 series in space-saving DIP24 case
- 2 x MOPP reinforced isolation at 250VAC working voltage
- Up to 5kVAC/1min. isolation with 8mm creepage and clearance
- 2µA leakage current (conforms to B, BF or CF rated outputs)
- EN62368 certified (REM1)
- UL/IEC/EN60601 3rd Ed. certified with CE mark
- Industrial temperature range from -40°C up to +90°C, up to 5000m
- 5-year warranty



Cost-effective medical DC/DC converters

Reinforced isolation provides an additional level of safety beyond the standard functional isolation to comply with the medical safety standard UL/IEC/EN60601-1 3rd Ed. Due to an innovative design, RECOM offers low power DC/DC converters in compact packages with up to 8kVDC isolation.



Main features:

- RxxPxx/R & RxxP2xx/R series in compact SIP7 case
- 1 and 2W DC/DC converters
- Reinforced isolation up to 8kVDC
- UL/IEC/EN 60601 3rd Ed. certified
- >9mm input to output clearance (/ X2 pinning)
- Efficiency up to 88%
- 3-year warranty

Compact medical-grade AC/DC converters

RECOM's RACM series are highly efficient 18W to 150W AC/DC power supplies with 2 x MOPP safety approval for mains-powered medical applications. These enclosed power supplies have universal AC input voltage, 4kVAC isolation, low standby consumption, active PFC (>0.95) and do not require a minimum load.

Main features:

- Robust 18W and 30W with a footprint less than 2"x2"
- Space-saving 3"x2" for 40W or 65W
- Compact 4"x2" for 100W or 150W
- 2 x MOPP reinforced isolation at 250VAC working voltage
- <100µA leakage current (B or BF rated outputs)
- UL/IEC/EN60601-1 3rd Ed. certified with CE mark
- 4kVAC/1min. isolation with 8mm creepage and clearance
- ErP compliant (standby <0.3W)
- 5-year warranty



For more details please visit: www.recom-power.com/medical

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