

PRESS RELEASE

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Axiomatic adds two new models to their family of 24V to 24V DC/DC Converters, with 50W and 720W output power, suitable for off-highway applications and more!

The [AX081850](#) and [AX083140](#) 24 VDC to 24 VDC Converters are suitable for application with power generator set control systems and off-highway, mining, oilfield, and agricultural equipment.

Featuring more power (720 W), the [AX081850](#) operates from 12 to 36 VDC and regulates output voltage of 24 VDC \pm 2%. The converter features reverse battery, over-voltage, under-voltage, short circuit, and over current protection, and operates with an efficiency of 95%. A rugged enclosure and interface utilizing TE Deutsch connectors ensures reliability in harsh applications.



[AX081850 — 24VDC to 24VDC, 720W Converter](#)

The smaller [AX083140](#), operates from 8 to 36 VDC with an output power of 50 W and an output voltage of 24 VDC \pm 0.3%. The power converter features 600 VDC isolation from input to output. Protections include reverse battery, over-voltage, under-voltage, short circuit, and over current protection. Operational efficiency is 88% (at 24 VDC input), and a 4-pin TE Deutsch connector. The standard rugged enclosure and a TE Deutsch connector are features of our product line to protect against water and dust ingress.



[AX083140 — 24VDC to 24VDC, 50W Isolated Converter](#)



Both power converters operate at a temperature range of -40 to 70 °C (-40 to 158 °F).

For more details, please visit the [AX081850](#) and [AX083140](#) webpages.

[AX081850](#) and [AX083140](#) are new additions to Axiomatic Technologies' 24VDC to 24VDC DC/DC Converter line-up. Listed below are the other power supplies in this family.

[AX082320 — 24VDC to 24VDC, 18W Isolated Power Converter](#)

[AX083160 — 12 or 24VDC to 24VDC, 60W Isolated Converter](#)

[AX081100B — 24VDC to 24VDC, 72W Isolated Converter](#)

[AX080900 — 24VDC to 24VDC, 125W Isolated Converter](#)

[AX080210A — 24VDC to 24VDC, 150W Isolated Power Supply with 20 Second Back-Up](#)

[AX083204 — 15-60VDC to 24VDC, 240W Isolated Converter, 5-24VDC Enable](#)

[AX081530 — 24VDC to 24VDC, 240W Isolated Converter](#)

[AX081500 — 24VDC to 24VDC, 312W Isolated Converter](#)

[AX080300 — 15-60VDC to 24VDC, 350W Isolated Converter, 5-24VDC Enable](#)

[AX080302 — 15-60VDC to 24VDC, 350W Isolated Converter, No Enable](#)

[AX080310 — 24VDC to 24VDC, 350W Isolated Converter, SAE J1939](#)

[AX080311 — 24VDC to 24VDC, 350W Isolated Converter, CANopen®](#)

[AX081200 — 24VDC to 24VDC, 500W Isolated Converter](#)

You can browse through our catalog of [DC to DC Converters](#) and other [Power Management Solutions](#).

Axiomatic specializes in the design and production of control solutions tailored for diverse applications where performance and reliability are of utmost importance. Our team of engineers are based in both Canada and Finland, while our manufacturing operations are located in Canada. Sales offices are in Australia, Canada, Finland and USA.

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