

PRESS RELEASE

June 18th, 2026 – Mississauga, ON, Canada

Axiomatic releases an isolated, 350W, 12VDC/48VDC step-up converter, designed for off-highway equipment and climate control applications.

[AX082210](#) is an isolated, step-up power converter that accepts an input range of 10 to 18 VDC (12 VDC nominal) and generates a regulated 48 VDC, 350 W output. Typical efficiency of this DC to DC converter is 91% with reverse polarity, under-voltage, over-voltage, and short circuit protection.



[AX082210 — 12VDC to 48VDC, 350W Isolated Power Converter](#)

Built with a sturdy, rugged enclosure and an integral 8-pin TE Deutsch connector, the DC-DC converter is engineered for durability and reliability while operating in harsh conditions.

[AX082210](#) is IP67-rated to provide excellent protection against dust and water exposure. Operating temperature range is from -40 to 70 °C (-40 to 158 °F). Designed to meet SAE J1455 and SAE J1113 requirements and EMI/EMC standards, the isolated power converter is ideal for vehicle climate control and off-highway equipment applications.

For more details, please visit the [AX082210](#) webpage.

Axiomatic has released a KIT model, including a mating wire harness, P/N: [AX082210K](#).

[AX082210](#) is the newest addition to Axiomatic Technologies' 12VDC to 48VDC Converters line-up.

You can browse through our catalog of [12 or 24VDC to 48VDC Converters](#) and other [DC to DC Converters](#).

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 design engineers are based in both Canada and Finland, while our manufacturing operations are located in Canada. Sales offices are in Australia, Canada, Finland, and the USA.

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