

PRESS RELEASE

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Axiomatic showcases an Isolated 60 W, 12 to 48 VDC Converter in rugged enclosure with CE / UKCA marking for harsh environments.

The DC-DC Converter AX083110 provides regulated 48 Vdc power suitable for instrumentation and controls operating in a battery powered system. For operation under the most harsh and demanding conditions, the unit is fully sealed and enclosed to protect against moisture, shock and vibration.

Power from a battery or other source in the range of 5 to 36 Vdc is converted to a 48 Vdc output regulated to 3% and 1.3 A continuous current. Input and output isolation is provided. The unit is designed with extremely rugged surge and transient suppression in addition to sustained over and under-voltage protection as well as inrush current control. With a nameplate rating of 60 W of output power, this Converter has an efficiency rated at 89%.

The AX083110 has an IP67 rated enclosure with one (1) 4-pin TE Deutch connector. It can withstand dust exposure and high humidity. It is designed for harsh environments having power transients, vibration, and shock. It operates from -40 to 85°C (-40 to 185°F) for inputs over 8 Vdc.



Visit <https://products.axiomatic.com/item/dc-dc-and-ac-dc-converters/12v-48v-60w-isolated-power-converters/ax083110> to see its detailed specifications.

The AX083110 comes from our DC/DC converter line-up which, among others, includes:

- AX083100, 24Vdc to 48Vdc Converter, 60W, Isolated
- AX083120, 12Vdc/12Vdc Converter, 60W, Isolated
- AX083130, 12Vdc/24Vdc Converter, 60W, Isolated



You can browse through the complete catalog of our power management products at:
<https://products.axiomatic.com/category/power-management>

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