



Electronics, Inc.

# DC-DC CONVERTER TRANSFORMERS

## ULTRA-MINIATURE DC-DC POWER ISOLATION

Pico Electronics DC-DC Converter Transformers are ultra-miniature in size as the energy driver to the switch-mode power supplies. They are **power efficient** in reducing core losses and able to be used in a wide variety of energy conversion applications. These are designed to maximum performance at **low switching operating frequency** and **minimal losses**. The electrical rectification process of these components are designed for bridge, dual-bridge, and full wave circuit configurations. Though, they are certainly not limited to these topologies.



### Telecommunication Equipment

DC-DC Converter Transformers play a major role in voltage regulation, noise isolation, safety isolation, power conversion efficiency, and multi-voltage outputs. They are efficient at isolated energy transfer and EMI control on applications such as **routers**, **optical network units**, **switches**, and **base stations**.



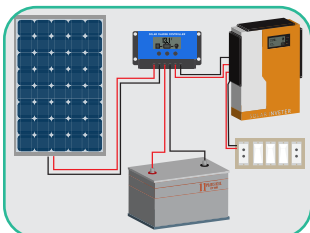
### Aerospace & Defense

High-reliability and compact design with operational temperature over 130°C. These are built to withstand shock, vibration, impact, and other environmental conditions. These lightweight components are fit for systems that involve **navigation**, **unmanned missions**, and **flight communication**.



### Electric Vehicles

Isolation between **traction systems** and **low-voltage electronics** without harming sensitive components and mitigating noise. This is typically handled with isolated gate drivers to ensure transparent **signal communication**.

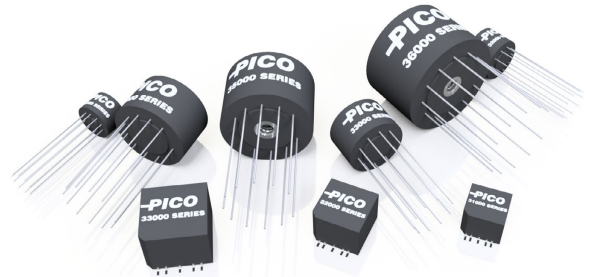


### Renewable Energy Systems

Voltage regulation between **solar grid panels** and **battery systems** by stable step-down DC voltages. Electrical isolation protects against voltage surges and faults.

## DC-DC Converter Transformers Series Listing >

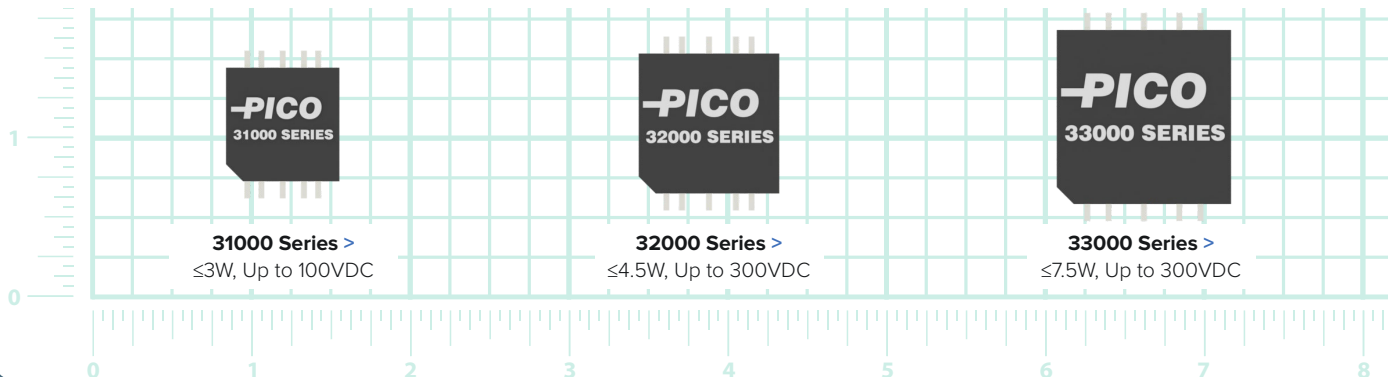
- Square wave switching frequency from 10kHz to 60kHz
- Up to 40W output power
- Input/output voltages from 5V to 300V
- Surface mount or plug-in mounting types
- Size as small as 0.41" x 0.41"
- Designed for switching power supplies with circuit topologies in bridge, dual bridge, and full wave rectification process



## Through Hole >



## Surface Mount >



## Contact Us

Need a DC-DC converter transformer solution that doesn't compromise on size or reliability? Visit our website or contact our team of engineering experts today to discuss your project requirements.

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Certified to  
AS9100D  
ISO 9001:2015

