

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**.



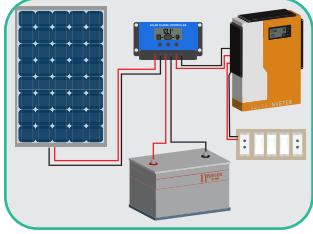
Aerospace & Defense

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

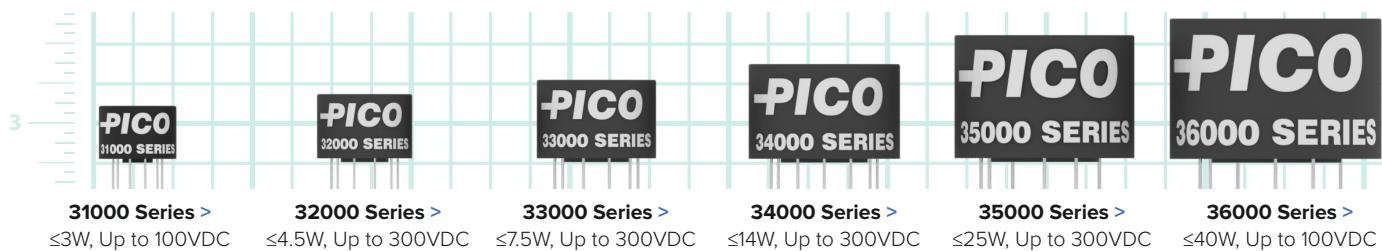
Voltage regulation between **solar grid panels** and **battery systems** by stable step-down DC voltages. Electrical isolation protects against voltage surges and faults.

DC-DC Converter Transformers Series Listing >

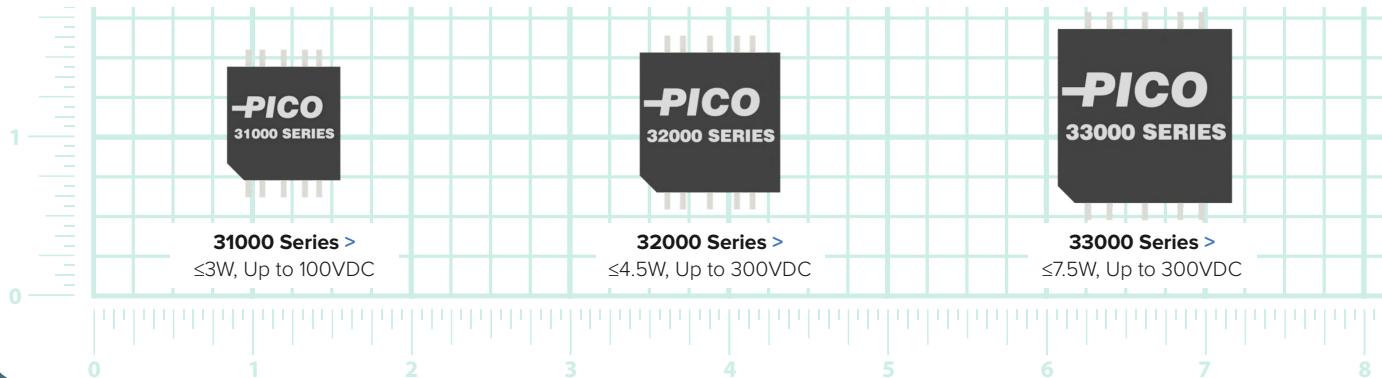
- Square wave switching frequency from 10kHz to 60kHz
- Up to 40W output power
- Input/output voltages from 5V to 300V
- Surface mount or plug-in mounting types
- Size as small as 0.41" x 0.41"
- Designed for switching power supplies with circuit topologies in bridge, dual bridge, and full wave rectification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

143 Sparks Avenue
Pelham, New York 10803

Phone: +1 (914) 738-1400
Email: info@picoelectronics.com



Certified to
AS9100D
ISO 9001:2015

