



Electronics, Inc.

# HIGH POWER DC-DC CONVERTERS

## UNLEASH UNRIVALED POWER & RELIABILITY

In today's demanding environments, you need power you can count on, and Pico Electronics delivers that. Our High Power DC-DC Converters are engineered for ultimate operation and reliability, providing **robust, isolated**, and **precisely regulated** voltages for your most critical applications. **Designed and manufactured in the USA**, our compact and efficient solutions are built to withstand the harshest conditions. Don't compromise on performance —choose the proven leader. Choose Pico.



### Military & Defense

Power mission-critical systems with Pico High Power DC-DC Converters. Delivering up to 300 Watts in rugged, miniature packages, our modules excel in extreme defense environments like **UAVs** and **radar**. Featuring inputs up to 1200 VDC and optional MIL-STD-883 screening, these units ensure reliability and **SWaP optimization** for modern military needs.



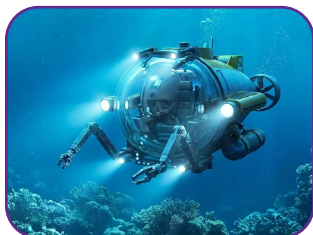
### Telecommunications

These converters deliver reliable and wide input voltage range for telecommunications infrastructure, ensuring robust performance where continuous, mission-critical operation is essential. By reducing the height and noise, these converters make them ideal for **remote base stations**, **network equipment**, and **signal amplification systems**.



### Industrial Technology

Pico converters are engineered to deliver reliable, versatile, efficient power conversion in demanding industrial environments. The extensive selection of output voltage and wide input range models makes them ideal for **Programmable Logic Controllers (PLCs)**, **Power Distribution Units (PDUs)**, and **motor/actuator drives** where precise voltage and durability are critical.



### Subsea Environments

Pico High Power DC-DC Converters provide mission-critical power for **Remotely Operated Vehicles (ROVs)**, **underwater sensor networks**, and **offshore energy infrastructure**. Their high power density, rugged encapsulated design, and proven reliability ensure flawless operation of critical equipment, from scientific exploration to naval defense.

## Series LP >

- 18V to 380V input range models
- 3.3V to 200V output models
- Up to 75W output
- Input/output isolation
- Integrated side heat sink
- Parallel operation option
- Single and dual isolated outputs
- Trim capability
- Remote shutdown feature
- Fixed operating frequency



## Series HIP >

- 10-100% programmable output feature
- 100 to 500V output models
- Up to 100W output power
- Compact 3" x 2" x 0.5" case size
- 2:1 input voltage range
- Protected against input over/undervoltage, output short-circuit, and over temperature
- Frequency synchronization, Adjustable output current limit, Shutdown, Output voltage monitor features



## Series DC1, DC2A & DC2B >

- 120V to 1200V input range models
- 5V to 300V output models
- Up to 300W output
- Input/output isolation
- Remote Sense feature
- Input reverse polarity protection
- Fixed operating frequency
- No external components required



## Contact Us

Need a high power 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

