

## HIGH VOLTAGE DC-DC CONVERTERS

### THE FUTURE OF POWER FOR CRITICAL APPLICATIONS

When your application demands **precision**, stability, and high voltage in a compact form factor, look no further than Pico Electronics' High Voltage DC-DC Converters. Engineered for superior performance, our converters provide the **reliable**, regulated, and isolated power necessary for the most **demanding** electronic systems. From avionics to laboratory equipment, Pico converters are the **miniature** solution that delivers maximum power.



#### Military & Defense

Manufactured to rigorous military standards, these High Voltage DC-DC Converters are designed to withstand harsh operating conditions with temperature ranges as wide as -55°C to +85°C. We are the trusted choice for sensitive electronics in **ground-based radar systems**, **night vision equipment**, and **guidance systems**.



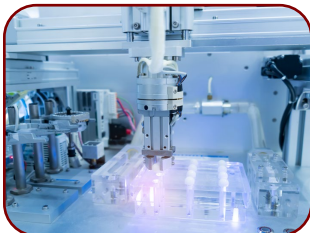
#### Scientific Instrumentation

The High Voltage DC-DC Converters provide a precise, programmable and stable high voltage for critical detection and analytical equipment. This makes them perfect for powering **research equipment**, **photomultiplier tubes**, **ionizers**, **beam manipulations**, and **laboratory instrumentation**.



#### Industrial Technology

Pico High Voltage DC-DC Converters are the ideal power solution for the industrial sector, offering a compact and rugged design. This ensures reliable operation for high-voltage applications including **robotics temperature/pressure sensors**, **electrostatic powder coating**, **air purification systems**, **specialized actuators**, and **test equipment**.



#### Capacitor Charging

Pico high-power, high-voltage converters are specifically engineered to provide rapid, reliable and repeatable bursts of power for capacitor charging applications. This is essential for powering **pulsed light devices**, **flashlamp drivers**, **mass spectrometers**, and **high-voltage actuator drivers**.

## Series AV (1500-10kV) >

- 1.25 output power
- Up to 10,000V output models
- 5V to 48V input models
- Down to 0.500" height
- Output voltage is directly proportional to input voltage
- Transformer Isolated modules
- Positive or negative output voltage up to 10kV
- No heat sink or derating required



## Series VV (100-10kV) >

- Up to 10W output power
- Output voltage is proportional to input voltage
- Up to 10,000V output models
- Wide input voltage range
- Through hole mounting
- Transformer Isolated modules
- No heat sink or derating required



## Series HVP >

- 11-16 VDC input voltage range
- 5W output power
- Non-isolated 100V to 6kV nominal output voltage models
- 0-100% programmable output feature
- Compact 2.55" x 1.3" x 0.5" 6-sided metal case
- Down to 0.007% peak to peak ripple
- <0.01% load regulation
- Protected against input overvoltage, output short-circuit, output overload and over temperature
- Shutdown feature, Output voltage monitor feature and 10% fine-tune calibration adjustment screw



## Contact Us

Need a high voltage 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

