



DC/DC Converter Series: **Thunder, Lightning, Cyclone, Tornado**

FEATURES

- **Thunder Low Power Series:**
- Vin: 2V - 5V, Single Vout: 500V - 5KV, P: 0.5W
- **Lightning Ultra-Low Power Series:**
- Vin: 2.5V - 5V, Single Vout: 500V - 2KV, P: 0.1W
- **Lightning Mid-Power Series:**
- Vin: 28V, Vout: +5V, +15V and -8V,
- P: 30W (+5V), 25W (+15V) and 2W (-5V)
- **Lightning High-Power Series:**
- Vin: 11V - 16V, Vout: 24V, P: 200W
- **Cyclone Ultra-Low Power Series:**
- Vin: 2.5V - 4.5V, Dual Vout: 500V to 2KV,
P: 0.2W
- **Tornado Ultra-High Output Voltage Series:**
- Vin: 12V, Vout: 30KV, P: 2W - 3W
- Custom design available for all series

MAIN APPLICATIONS

- Photomultiplier Solutions
- Avalanche Photodiodes
- Detector Arrays
- Piezo Devices
- UAV and RC Steering Controlled Vehicles
- Capacitor Charging
- Electronic Air Cleaners
- Mass Spectrometers
- Electrostatic Handling Solutions
- Detonation Activators
- Etc.



Example of
AM1505-PP

THUNDER Series - Initial AMI Electronics product line of DC-DC converters with low input voltages (Vin=3V, 5V, 12V or 24V) and high output voltages (Vout in the 0.5KV to 5KV) that can be either positive (+) or negative (-) polarity.

LIGHTNING Series - A new family of single Vin and single Vout series of ultra low power DC-DC converters with low input voltages (Vin=3V, 5V, 12V) and high output voltages (Vout in the 0.3KV to 2KV) with either positive (+) or negative (-) polarity. *Custom designs are supported with a semi-custom, quick turns, low cost program.

CYCLONE Series - A new family of single Vin and dual Vout series of ultra low power DC-DC converters with low input voltages (Vin=3V, 5V, 12V) and high output voltages (Vout in the 0.3KV to 2KV). These outputs can be a combination of either positive (+) or negative (-) polarities or both positive (+) or both w/ negative (-) polarities. *Custom designs are supported with a semi-custom, quick turns, low cost program.

TORNADO Series - Ultra high output voltage (Vout) up to 30KV with an input voltage of 12V (Vin =12V) and 3 watt power output .

NOTE: *CUSTOM designs* are our specialty. We are also developing a medical version of a 200 watt DC-DC converter w/Vin 11-15volts and Vout of 24 volts. As mentioned above, the Lightning and Cyclone series include a revolutionary design program for our semi-custom, quick turns, low cost program with a 3-4 week turn-around-time (TAT) and NRE costs of \$3,500.00 maximum for prototypes.