# CAEN (n) Electronic Instrumentation Tools for Discovery

#### Single Channel High Reliability, High Voltage Power Supply Box

• Based on A7501 PCB mount HV DC-DC converter

• Temperature working range: -10°C÷70°C

• Designed for long working life in harsh environment and easy maintenance operation

 Materials and layout optimized for the worst foreseen environmental condition

 Connection and cabling with stress relief on solder points

• Several solutions from Aerospace electronics design

 Developed under the specs of INFN Torino

• Meets the requirements and the control interface of the Pierre Auger Observatory experiment



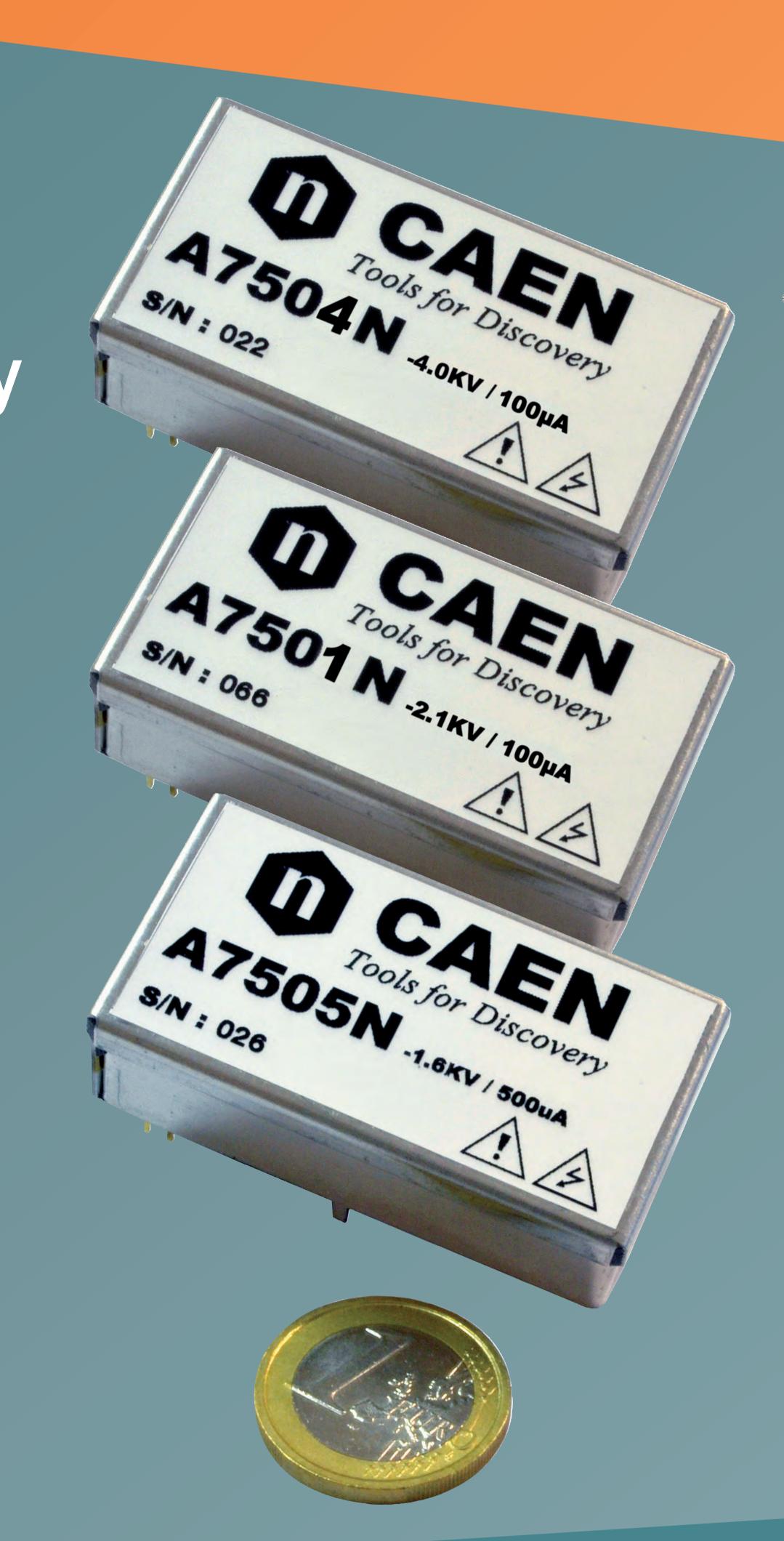


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#### PCB High Voltage Power Supply Family

- Single channel PCB mount High Voltage Power Supply
- High efficiency up to 4kV and 500 uA output ranges
- Low power consumption
- Positive or negative polarity
- Analog voltage and current Set and Monitor levels
- Very low ripple and noise
- Excellent stability
- Compact package 54x29x17 mm³ (WxLxH)
- High operating temperature range

Delivering the excellence of CAEN High Voltage Technology in the palm of your hand!



## High Performance PCB Bipolar High Voltage Power Supply

- Double channel, opposite polarity PCB mount High Voltage Power Supply
- High efficiency +6kV/10 μA, -6kV/10 μA output ranges
- Power requirement: < 500mW @ full power
- Low ripple and noise
- Innovative embedded digital control for enhanced performances
- Compact package 49x49x23 mm³ (WxLxH)
- Works in magnetic field up to 1 kGauss

The reliability of CAEN digital control technology now available also in a compact HV power supply

www.caen.it