

## High Voltage Power Supplies

*For over 30 years, Rantec has been a leading designer and manufacturer of power conversion products such as high voltage power supplies, low voltage power supplies, DC-DC converters, and power systems products. Rantec's products serve the medical, analytical, industrial, aviation, defense, and communications industries.*

[www.rantec.com](http://www.rantec.com)

***Rantec power teaming engineers offer technical assistance to:***

Evaluate Power System Requirements  
Develop Power System Architecture  
Reduce Time to Market

# High Performance & Reliability

# High Voltage Products

## ***Short Form Brochure***



**Rantec Power Systems Inc.**

# HVPS for High Resolution CRTs

Rantec offers an extensive line of standard off-the-shelf CRT high voltage power supplies, which can also be tailored to specific requirements for applications ranging from medical imaging to aerospace to full military products. The Rantec Power Team's exceptional technical expertise specializes in the development of custom high voltage solutions as well.

Rantec's superior performance and a reputation for outstanding reliability have established Rantec as the best value supplier in high voltage power supplies. Visit our website to view our complete selection, or consult the factory so we can discuss tailoring our products for your unique specifications. Below are examples of just a few of our specialized CRT high voltage power supplies.

## COMMERCIAL

### GES Series

*High voltage power supply with dynamic focus amplifier.*



#### FEATURES

- ◆ 15kV to 32kV output voltage
- ◆ Up to 30 watts total output power
- ◆ Three auxiliary outputs
  - Focus (local & programmable adjust)
  - G2 (local & programmable adjust)
  - G1 / Cathode (fixed)
- ◆ Dynamic focus amplifier DC to 500Vp-p
- ◆ Tightly regulated anode, focus & G2 outputs

- ◆ Excellent voltage stability .05%/1K hours
- ◆ Precision output current sense
- ◆ Customer-specified input and output voltages, other options available

#### APPLICATIONS

- ◆ Digital imaging
- ◆ Photographic printing
- ◆ Film recording

## RUGGEDIZED

### SMI Series

*Ruggedized High Voltage Power Supply*



#### FEATURES

- ◆ 18kV @ 1.2mA peak, multiple outputs
- ◆ Tightly regulated, low ripple
- ◆ Remote on/off
- ◆ Extremely compact enclosure
- ◆ Lightweight
- ◆ Ideal for commercial avionics cockpit displays

#### APPLICATIONS

- ◆ Avionics cockpit displays
- ◆ Ground mobile equipment

## MILITARY

### CCM Series

*For high brightness, severe environments.*



#### FEATURES

- ◆ 25kV @ 1.8 mA, multiple outputs
- ◆ Adjustable focus and G2 outputs
- ◆ Buffered focus and grid 2 monitoring outputs
- ◆ Grid 2 fast shunting-to-ground upon remote shutdown
- ◆ TTL-compatible remote shutdown input
- ◆ Built-in test (BIT) circuitry
- ◆ Thousands of field-proven units

- ◆ Modular designs enable efficient long-term maintainability.

#### APPLICATIONS

- ◆ Military CRTs
- ◆ HUDs
- ◆ Avionics cockpit displays
- ◆ Shipboard equipment
- ◆ Military vehicles

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