

# IE POWER INC.

**IE Power Inc.** dedicates its resources to the research and development, sales and manufacture of custom designed solid-state power conversion products.

**IE Power Inc.** offers custom and standard products to the most unique and stringent of specifications. Backed by over forty years of experience and hundreds of power system designs, we offer unique solutions to our customer's needs.

**The IE Power Inc.** facility, staffed by skilled technical and sales personnel, is fully equipped with calibrated test equipment and load banks capable of testing small and large power conversion systems.

**IE Power Inc.** has access to certified facilities for EMI, shock, vibration, and other non-destructive qualification testing.

The **IE Power** goal is to supply our customers with high quality products for industrial and high energy physics applications.

**IE POWER Inc.** is an ISO9001 certified facility.

**IE Power Inc.** specializes in the continued research and development, conceptual design, simulation, virtual proto-typing, manufacture and testing of precision magnet power supplies for laboratory, medical, and unique high-energy physics, facilities.

**IE Power Inc.** has been a supplier of magnet power supplies for over 30 years. Since the early 1970's precision power supplies have been supplied to the TRIUMF cyclotron facility at the University of British Columbia in Vancouver, B.C., Canada.

**IE Power Inc.** have recently delivered power supplies from 2.5kW to 250kW for medical and booster applications.

These power supplies have met very stringent EMI, transient response, and output (low and high frequency) voltage ripple and stability requirements.

**IE POWER Inc.** is currently producing a 1.5-megawatt pulse power supply with a 60Hz rep. rate for SNS at the Brookhaven National Laboratories. This power supply requires the output voltage loop band-width be higher than 10kHz.

**IE POWER INC.** utilizes the latest switching techniques, filtering concepts, control and monitoring concepts to ensure the highest level of quality and performance in all power system designs.

Please visit us at [www.iepower.com](http://www.iepower.com)

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# PRECISION MAGNET POWER SUPPLIES

## TRIUMF, U.B.C., CANADA

### 5600 SERIES LINEAR POWER SUPPLIES

TECHNOLOGY: Series Transistor Regulator

INPUT: 480/3/60 VAC

OUTPUT: 100 VDC @ 750A, 75kW

STABILITY: +/- 0.01%

FEATURES: Low DC Output Ripple  
: Water Cooling  
: Fast Dynamic Response  
: Diagnostic Control Panel



## CERN, GENEVA, SWITZERLAND

### 9200 SERIES POWER CONVERTERS ONE QUADRANT WITH REGENERATION

TOPOLOGY: Soft Switching IGBT

INPUT: 400/3/50 VAC

OUTPUT: 550 VDC @ 450A, 250kW

STABILITY: +/- 50ppm

Low EMI, Low Ripple, Fast Response

OPTIONAL: Four Quadrant Operation  
: Power Regeneration

## SCANDITRONICS MEDICAL, SWEDEN

### 9200 SERIES POWER CONVERTERS FOUR QUADRANT, 12 PULSE RECTIFIER

TECHNOLOGY: Intelli-mod IGBT

INPUT: 400/3/50 VAC

OUTPUT: +/-200 VDC @ +/-15A, 3kW

STABILITY: <+/-1000ppm

FEATURES: Low EMI Emissions  
: Low Input Harmonics  
: Fast Dynamic Response  
: Modular Construction



## CERN, GENEVA, SWITZERLAND

### 5700 SERIES PHASE CONTROLLED

TECHNOLOGY: 6 Pulse Thyristor Switching

INPUT: 400/3/50 VAC

OUTPUT: 12-20VDC @ 300A, 6kW

REGULATION: +/- 1%

FEATURES: Low Output Ripple  
: Relay Rack Cabinet  
: Convection Cooling  
: Remote Control