The Inductron PT exemplifies leadership in new induction technology. This IGBT power source is versatile, compact, robust, and offers unmatched features. The microprocessor based systems offer direct communication links, on board diagnostics, and user friendly interfacing. Inductron PT, IGBT power supplies use internal load matching components. This saves space and ensures they are production ready.

**Benefits**

- Direct SCR and motor generator replacement
- Delivers full power into 30 percent impedance swing
- Operation ranges from 1 to 120 kHz, 25 to 1000 kW
- Accommodates high load Q values
- Safety Engineered
- Provides simple user interface and SPC communication
- Compact design saves space and eliminates interconnect
- Provides high reliability of power and matching components

**Features**

- Solid state IGBT, full bridge design
- Parallel tuned output
- Diode rectifier available
- Single tap to add capacitance
- Integrated internal load matching components
- Lower load capacitor and transformer voltages
- Robust electrical design
- Microprocessor based logic
Specifications

Frequency & Output Power
1 - 10 kHz, 100 - 1000 kW
10 - 30 kHz, 50 - 600 kW
25 - 50 kHz, 50 - 400 kW
50 - 80 kHz, 30 - 240 kW
50 - 120 kHz, 25 - 400 kW

Power Supply Efficiency
90% to 95% overall minimum

Operating Sound Level:
10 kHz 80 to 85 dbA at 3 ft. (1 m)
50 kHz 60 dbA at 3 ft. (1 m)

Cooling Water Volume
Approximately 20 GPM for the first 100 kW
and 5 GPM per 100 kW thereafter. Includes
cooling for internal load matching components.

Input Water Temperature
95°F (35°C) maximum

Input Water Pressure
90 PSI Maximum (6.2 bar)
30 PSI (2.0 bar) minimum differential

Safety Features (MPC Models)
NEMA 12 (JIC E7.1.3) enclosure, interlocks
on doors, control and high voltage disconnect,
fully removable sides and doors for easy access
to all parts.