

InductroniX Corporation



SPECIAL FEATURES

- ☑ Full output power at 10-20kHz
- ☑ Separate coil feedback circuit for external controller (0-5V DC or 0-10V DC)
- ☑ Automatic restart circuit in case of brief loss of line power (adjustable up to 10 sec.). Power is ramped back to the level prior to the power loss.
- ☑ Low output power capability. The power can be reduced to 1% of the full output value.
- ☑ Built-in Heat station section with conveniently located output terminals

50-100kW / 10-20kHz

Power+Plus "CG" series advanced power supplies

Available in models from 50 kW to 100kW, and frequency range from 10 to 20 kHz all are ideal for crystal growing.

SPECIFICATIONS

Model	Output kW	Frequency kHz	AC Line Volts (3-phase)	Line Freq. Hz	Weight Lb (kg)	Power Supply inch (cm) WxDxH	Heat Station inch (cm) WxDxH	Water GpM (LpM)	Inlet Water T°
UPT-CG 50	50	10-20	380/460	50/60	440 (200)	32" x 24" x 75" (81 x 61 x 190)	28" x 32" x 36" (71 x 81 x 91)	Min 10 (40)	Max 95°F (35°C)
UPT-CG 75	75	10-20			880 (400)	47" x 24" x 75" (120 x 61 x 190)	28" x 32" x 36" (71 x 81 x 91)	Min 16 (60)	
UPT-CG 100	100	10-20							

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Power+Plus "CG" Series

FEATURES

- Output regulation - Voltage, Power, Current
- Limits - Current, DC Volts, Output Volts, Power, Frequency
- Continuous cooling water temperature and flow monitoring
- Operator controls - Selectable Advanced, Basic or Expert control panels
- Variable ratio output isolation transformer for load matching of a wide range of loads and coils
- Optional RS232/485 interface for remote computer monitoring, control and diagnostics
- 0-10V or 4-20mA external control and remote Start/Stop operation



BENEFITS

- Advanced, cost effective power supplies utilizing the latest switching power supply technology
- Adaptive digital phase control providing very efficient operation in a wide frequency range
- Reliable, modular system, easy to maintain and service
- Sufficient tank capacitance to support very loosely coupled loads typical for crystal growing applications
- Configured to operate with optional external Heat Station
- Easy remote operation via optional Remote Control Panel
- Durable design, loaded with safety and diagnostics features
- Maximum Output voltage - 2700 VRMS at 10kHz

OPTIONAL EQUIPMENT

- Built-in or Remote Heat Station
- Remote Control Panel
- Advanced LCD touch screen panel

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