

InductroniX Corporation



BENEFITS OF INDUCTION HEATING

- ✘ Maximized Productivity
- ✘ Improved Product Quality
- ✘ Precise Output Control
- ✘ Improved Repeatability
- ✘ Reduced Energy Consumption

UPT-S2 **1.2-5kW/50-250kHz**

Power+Plus S series advanced power supplies

Available in models from 1.2kW to 5kW, and frequency range from 50 to 250kHz all are ideal for heat treating, bonding, annealing, hardening, brazing, sealing, melting, soldering, tempering, susceptor heating and more...

SPECIFICATIONS

Model	Output kW	Pulsed kW	Frequency kHz	AC Line Volts (1phase)	Line Freq. Hz	Power Supply Weight Lb (kg)	Power Supply inch (cm) WxDxH	Heat Station Weight Lb (kg)	Heat Station inch (cm) WxDxH	Water GpM (LpM)
UPT-S 1.5/250-E	1.5	1.8	50-250	110/230	50/60	13.2	7"x9.5"x12.4"	15.4	7"x9.5"x8.3"	0.5
UPT-S 2/250	1.2	1.5		110		(6)	(18x24x31.5)	(7)	(18x24x21)	(2)
	2	2		230						
UPT-S 4/250	3	3.6	50-200	230		44	14"x14"x11.2"	46.3	14"x14"x8.7"	1
	4	5				(20)	(36x36x28.5)	(21)	(36x36x22)	(4)

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Power+Plus "S" Series

FEATURES

- Output regulation - Voltage, Power, Current
- Limits - Current, DC Volts, Output Volts, Power, Frequency
- Compact air cooled power supply design with automatic fan control
- Operator controls - Selectable Advanced, or Basic control panels
- Capable of delivering full power in the 50-250kHz frequency range
- 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
- Power control from 1 to 120% in 1% increments (50%/10sec max duty cycle operation above 100%)
- Multiple timer controls with up to 5 ramp/soak steps
- 0-10V or 4-20mA external control and remote Start/Stop operation



UPT-S4

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
- Flexible, wide range load impedance matching by utilizing multiple transformer ratios and configurable tank capacitance
- Configured to operate with external Heat Stations allowing output connections to be available from all sides
- Easy remote operation both via Heat Station and Remote Control Panel
- Durable design, loaded with safety and diagnostics features
- Serial or Wireless Communication link to a PC based software (optional)

OPTIONAL EQUIPMENT

- Remote Control Panel
- Compact water cooling unit

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