

# ULTRAHEAT SB

2-3kW/700kHz-1MHz

## EFFICIENT POWER FOR HEATING SOLUTIONS



### BENEFITS OF INDUCTION HEATING

- Improved energy efficiency
- Higher degree of controllability
- Increased repeatability
- Low maintenance requirements
- Increased productivity
- Precise heating with no open flame

High Frequency induction heating, from 700 kHz – 1 MHz for soldering and brazing small components and parts such as circuit board connectors, RF Connectors, and cable end connectors

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

Configured to operate with remote Heat Stations

Durable design, loaded with safety and diagnostics features

Serial Communication link to a PC based software (optional)

### APPLICATIONS

Brazing and of small components, Heat Soldering Treatment

#### HEADQUARTERS:

158-2 Remington Blvd  
Ronkonkoma, New York 11779  
Tel: 631.467.6814  
sales@ultraflexpower.com



[ultraflexpower.com](http://ultraflexpower.com)



# ULTRAHEAT SB

2-3kW/700kHz-1MHz

## EFFICIENT POWER FOR HEATING SOLUTIONS

### FEATURES

- Output regulation – Voltage, Power, Current
- Limits Setting – Current, DC Volts, Output Volts, Power, Frequency
- Compact water cooled power supply design with automatic fan control
- Operator controls – Selectable: Automatic, Remote or Local
- Capable of delivering full power in the 700kHz – 1 MHz frequency range
- RS232/485 interface for remote computer monitoring, control and diagnostics
- Output isolation transformer for load matching of a wide range of loads and coils
- Power control from 1 to 100% in 1% increments
- 5 programs with 9 programmable parameters
- 0-10V or 4-20mA external control and remote Start/Stop operation

### Optional Equipment

	Description
Custom Coil	Custom Coil designed and manufactured for customer's application
WCA-1200-02	<b>Water Cooling System</b> 3.5 kW heat load, 230 VAC
FS-01	<b>Foot Switch Assembly</b>
Temp System	<b>Temperature Monitoring and Control Systems</b> Specified per customer's requirements

### SPECIFICATIONS

#### Power Supply Model

	UPT-SB3
Output Power, kW	3
Frequency, kHz	700-1000
AC Line, Volts (50/60Hz)	230 ±10%
Line Phases	1
Weight, Lb (kg)	43 (19.5)
Dimensions, Inch (cm) LxWxH	14.2 x 14.2 x 11.8 (36 x 36 x 30)
Compatible Heat Stations	HSB-3

#### Heat Station Model

	HSB-3
Cable Length between Power Supply and Heat Station: Std / Max Ft (cm)	5 (152) / 20 (610)
Dimensions, Inch (cm) WxDxH	3.25 x 7.25 x 4.5 (8.3 x 18.4 x 11.4)
Weight, Lb (kg)	7.0 (3.2) (with leads)
Cooling System	Internal – from PS
Inlet Water T° (max), °F (°C)	95°F (35°C)



ultraflexpower.com

