

# ULTRAHEAT SBT SERIES

2-3kW/700kHz-1200kHz

EFFICIENT POWER FOR  
INDUCTION HEATING



## BENEFITS

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

High Frequency induction heating, from 700 kHz – 1.2 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.

## APPLICATIONS

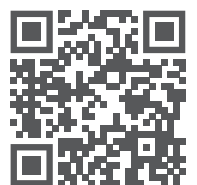
Brazing and Soldering of small components, Heat Treatment

## HEADQUARTERS

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



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## FEATURES

- High Frequency Induction Heater, capable of delivering full power in the 700kHz – 1.2 MHz frequency range
- Output regulation – Voltage, Power, Current
- Limits Setting – Current, Output Volts, Power
- Compact water cooled power supply
- Operator controls – Selectable: Automatic, Remote or Local
- 5 programs with 9 programmable parameters
- Power control from 10 to 100% in 1% increments
- Output isolation transformer for load matching of a wide range of loads and coils
- Advanced 5" Color LCD touch panel
- Digital I/O Interface board – Remote Start/Stop
- External power control input: 0-10V or 4-20mA
- RS485 interface for remote computer monitoring, control and diagnostics
- Standard inputs for K type thermocouple and IR sensor
- Optional temperature regulator for temperature monitoring & control

## Power Supply Model

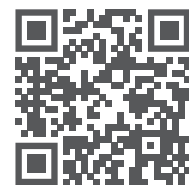
	<b>SBT-3/1200 0UPT-024-200</b>
<b>Output kW</b>	3 kW
<b>Frequency kHz</b>	700-1200
<b>AC Line Volts (50/60Hz)</b>	230±10%
<b>Line Phases</b>	1
<b>Weight Lb (kg)</b>	33 (15)
<b>Dimensions</b> Inch (cm) WxDxH	14.2" x 17.8" x 8.8" (35.9 x 45.2 x 22.2)
<b>Cooling requirements</b> water system quoted upon request	Water (external)
<b>Compatible Heat Station</b>	HSB-3

## Heat Station Model

	<b>HSB-3 1ACC-024-100</b>
<b>Cable Length between Power Supply and Heat Station:</b> Std / Max Ft (cm)	5 (152)/ 20 (610)
<b>Dimensions</b> Inch (cm) WxDxH	3.5" x 9.7" x 4.5" (8.7 x 24.5 x 11.3)
<b>Weight Lb (kg)</b>	11 (5)
<b>Cooling System</b>	Internal – from PS
<b>Inlet Water T° (max),F (°C)</b>	95°F (35°C)

## Optional Equipment

	<b>Description</b>
<b>Custom Coil</b>	Custom Coil designed and manufactured for customer's application.
<b>WCA-1000-02</b>	Water Cooling System 3.0 kW, 230 VAC, 1-ph
<b>RCP-03</b>	External E-stop box with 6 ft leads
<b>FS-01</b>	Foot Switch Assembly
<b>ACC-01</b>	Output Coil Adapter
<b>ACC-02</b>	Output Adapter Blocks with 1-4 NPTF
<b>IR-XX</b>	Temperature Control and Monitoring Systems



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