

# ULTRAHEAT SB SERIES

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.

Serial Communication link to a PC based software (optional)

## APPLICATIONS

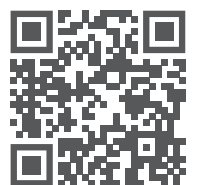
Brazing and Soldering of small components, Heat Treatment

## HEADQUARTERS

10 Colt Court  
Ronkonkoma, New York 11779  
Tel: 631.467.6814  
sales@ultraflexpower.com



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



# ULTRAHEAT SB SERIES

3kW/700kHz-1200kHz

EFFICIENT POWER FOR  
INDUCTION HEATING

## 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
- Advanced 5" Color LCD touch panel and Digital I/O Interface board – Remote Start/Stop
- RS232/485 interface for remote computer monitoring, control, data logging and diagnostics
- Output isolation transformer for load matching of a wide range of loads and coils
- Temperature monitoring & control with K type thermocouple
- Temperature regulator for standard IR sensor input
- External power control input: 0-10V or 4-20mA
- 5 programs with 9 programmable parameters

## Power Supply Model

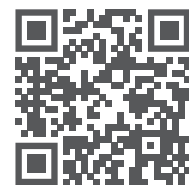
SBT-3/1200 OUPT-024-200	
Output kW	3 kW
Frequency kHz	700-1200
AC Line Volts (50/60Hz)	230±10%
Line Phases	1
Weight Lb (kg)	33 (15)
Dimensions Inch (cm) WxDxH	14.2" x 17.8" x 8.8" (35.9 x 45.2 x 22.2)
Cooling requirements water system quoted upon request	Water (external)
Compatible Heat Station	HSB-3

## Heat Station Model

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

## Optional Equipment

Description	
Custom Coil	Custom Coil designed and manufactured for customer's application.
FS-01	Foot Switch Assembly
IR-XX	Temperature Control and Monitoring Systems



ultraflexpower.com

10 Colt Court  
Ronkonkoma, New York 11779  
Tel: 631.467.6814  
sales@ultraflexpower.com

