

ULTRAHEAT SB 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.

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



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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
- 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 10 to 100% in 1% increments
- 0-10V or 4-20mA external control and remote Start/Stop operation

Power Supply Model

	SB-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.
WCA-1000-02	Water Cooling System 3.0 kW, 230 VAC, 1-ph
RCP-03	External E-stop box with 6 ft leads
FS-01	Foot Switch Assembly
ACC-01	Output Coil Adapter
ACC-02	Output Adapter Blocks with 1-4 NPTF
IR-XX	Temperature Control and Monitoring Systems



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