

ULTRAHEAT SB

2-3kW/700kHz-1200kHz

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 –1200 kHz 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:

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ultraflexpower.com



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FEATURES

- High Frequency Induction Heater, capable of delivering full power in the 700kHz – 1200kHz 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
- RS232/485 interface for remote computer monitoring, control and diagnostics
- Output isolation transformer for load matching of a wide range of loads and coils
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- Power control from 10 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-1500-02 | Water Cooling System 4.4kW, 230VAC, 1phase |
| FS-01 | Foot Switch Assembly |
| Temp System | Temperature Monitoring and Control Systems |

SPECIFICATIONS

Power Supply Model

| | UPT-SB3 |
|-----------------------------|--------------------------------------|
| Output Power, kW | 3 |
| Frequency, kHz | 700-1200 |
| 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 |
| Cooling System | Water |

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) |



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