

ULTRAFLEX W-SERIES

5-15kW/10kHz-400kHz

EFFICIENT POWER FOR
INDUCTION HEATING



FEATURES

- Output regulation – Voltage, Power, Current
- Limits Setting – Current, DC Volts, Output Volts, Power, Frequency
- Operator controls – Selectable: Automatic, Remote or Local control
- Capable of operating in a wide frequency range (10kHz – 400kHz); low and high Q factors
- Variable ratio output isolation transformer for load matching of a wide range of loads and coils
- RS485 interface for remote computer monitoring, control and diagnostics
- 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
- Advanced 5" Color LCD touch panel
- Digital I/O Interface board – Remote Start/Stop
- Standard inputs for K type thermocouple and IR sensor
- Optional temperature regulator for temperature monitoring & control

Advanced, cost-effective 5-15 kW Induction Heating systems 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.

Flexible, wide range load impedance matching by utilizing multiple transformer ratios and configurable tank capacitance. Configured to operate with external Heat Stations allowing output connections to be available from all sides.

Durable design, loaded with safety and diagnostics features.

APPLICATIONS

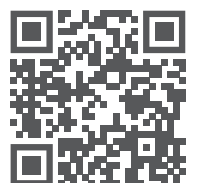
Brazing, Shrink Fitting, Annealing, Hardening, Carbide Tipping, Curing, Forging, Bonding, Heating, Material Testing, Plastic Reflow, Susceptor Heating, Nanoparticle Research.

HEADQUARTERS

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EFFICIENT POWER FOR
INDUCTION HEATING

BENEFITS

- Improved energy efficiency
- Low maintenance requirements
- Greater process control while eliminating operator variability
- Increased productivity
- Increased repeatability

Power Supply Model

	W5/400 OUFX-754-100	W10/150 OUFX-754-100	W10E/150 OUFX-754-300	W15/150 OUFX-754-300	W15/150 OUFX-754-300
Output kW	5 kW	10 kW	10 kW	15 kW	15 kW
Frequency kHz	40 - 400	50 - 150	50 - 150	50 - 150	50 - 150
AC Line Volts (50/60Hz)	230±10%	230±10%	380/480±10%	380/480±10%	380/480±10%
Line Phases	3	3	3	3	3
Weight Lb (kg)	62 (28)	62 (28)	84 (38)	84 (38)	84 (38)
Dimensions Inch (cm) WxDxH	16.9" x 21.2" x 15.6" (42.9 x 53.9 x 39.5)	16.9" x 21.2" x 15.6" (42.9 x 53.9 x 39.5)	15.8" x 21" x 14.8" (40.1 x 53.3 x 40.1)	15.8" x 21" x 14.8" (40.1 x 53.3 x 40.1)	15.8" x 21" x 14.8" (40.1 x 53.3 x 40.1)
Compatible Heat Station	HS-8	HS-8, HS-15W with UBraze	HS-8, HS-15W with UBraze	HS-8, HS-15W with UBraze	HS-8LF

Heat Station Model

	HS-8 1ACC-722-100 (standard)	HS-8LF 1ACC-722-120 (low freq opt)	HS-15W (1ACC-030-300) with UBraze Handheld and Auto- mation System
Cable Length between Power Supply and Heat Station: Std / Max Ft (cm)	6 (182)/ 20 (609)	6 (182)/ 20 (609)	10 (305) / 15 (457)
Dimensions Inch (cm) WxDxH	15.4" x 14.4" x 9.8" (39 x 41 x 25.6)	15.4" x 14.4" x 9.8" (39 x 41 x 25.6)	See UBraze Handheld and Automation system for details
Weight Lb (kg)	44 (20)	44 (20)	See UBraze Handheld and Automation system for details
Cooling requirements water system quoted upon request	water (external)	water (external)	water (external)
Min. Cooling Water, GpM (LpM)	2 (8)	2 (8)	2 (8)
Inlet Water T° (max), F (°C)	95°F (35°C)	95°F (35°C)	95°F (35°C)

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