

S-AIR SERIES - AIR COOLED

2-5kW/20-100kHz

**EFFICIENT POWER FOR
INDUCTION HEATING**



Light, completely air-cooled units.

No water cooling system required.

Perfect for low temperature applications $T < 500^{\circ}\text{F} / 260^{\circ}\text{C}$.

SMT models featuring advanced 5" LCD touch screen with multiple programs, temperature control and diagnostics features.

Reliable, modular system, easy to maintain and service.

Flexible, wide range load impedance matching by utilizing multiple transformer ratios and configurable tank capacitance.

Automatic frequency scanning and easy tuning to variety of loads and coils.

Durable design, loaded with safety and diagnostics features.

STANDARD FEATURES

- Output regulation – Voltage, Power, Current
- Limits setting – Current, DC Volts, Output Volts, Power, Frequency
- Compact air-cooled power supply design with automatic fan control
- Operator controls – Selectable: Automatic, Remote or Local
- Capable of delivering full power in the specified frequency range (see Specifications tables)
- Variable ratio output isolation transformer for load matching of a wide range of loads and coils
- Power control from 1% to 100% in 1% increments
- Multiple user programs and programmable parameters

ADVANCED OPTIONS

- Advanced 5" Color LCD touch panel
- Digital I/O Interface board – Remote Start/Stop
- External power control input: 0-10V or 4-20mA
- Temperature monitoring & control with K type thermocouple
- Temperature regulator for standard IR sensor input
- Serial Interface: RS-232 or RS-485
- Data logging and remote diagnostics

APPLICATIONS

Sealing, fatigue testing, bonding, curing, shrink fitting.

HEADQUARTERS

158-2 Remington Blvd
Ronkonkoma, New York 11779
Tel: 631.467.6814
sales@ultraflexpower.com



ultraflexpower.com



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Power Supply Model

● Standard ○ Optional

Power Supply Model	SM-2A	SM-5A	SMT-2A	SMT-5A
Output kW	2.0kW	4.0kW	2.0kW	4.0kW
Frequency kHz	20-100	20-100	20-100	20-100
AC Line Volts (50/60Hz)	110/230±10%	110/230±10%	110/230±10%	110/230±10%
Line Phases	1	1	1	1
Compact air cooled power supply	●	●	●	●
Auto tuning to variety of loads and coils	●	●	●	●
Control panel	Standard	Standard	5" LCD Touch	5" LCD Touch
User programs	5	5	20	20
Digital I/O & Analog Power Control	○	○	●	●
Temperature control with K Thermocouple Input	-	-	●	●
Cycle Energy Monitor	-	-	●	●
Serial Interface: RS-232 or RS-485	-	-	○	○
Data logging	-	-	○	○
Weight Lb (kg)	11 (5)	11 (5)	11 (5)	28 (12.5)
Dimensions Inch (cm) WxDxH	9.8" x 8.5" x 9.3" (25 x 21.5 x 23.5)	14.4" x 10.6" x 12.8" (36.5 x 27 x 32.6)	9.8" x 8.5" x 9.3" (25 x 21.5 x 23.5)	14.4" x 10.6" x 12.8" (36.5 x 27 x 32.6)
Compatible Heat Station	HS-4AN	HS-4AN	HS-4AN	HS-4AN

Heat Station Model

Heat Station Model	HS-4AN water-cooled
Cable Length between Power Supply and Heat Station: Std / Max Ft (cm)	6 (183)/ 30 (914)
Dimensions Inch (cm) WxDxH	7.3" x 14.2" x 7.1" (18.5 x 36.1 x 18)
Weight Lb (kg)	13 (6)
Cooling requirements water system quoted upon request	n/a
Min. Cooling Water, Gpm (LpM)	n/a
Inlet Water T° (max),F (°C)	n/a

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