

SOLO AIR SYSTEMS

24-32 kW / 5-25 kHz

EFFICIENT POWER FOR
INDUCTION HEATING



FEATURES

- Precise power control from 0 to 100% of rated power
- Output regulation: Power or Current
- Parameter Monitoring: Current, DC Volts, Output Volts, Output Power, Frequency
- Industrial control panel – 5" LCD touch, full color
- Advanced and intuitive user interface
- Multiple heating programs and profiles for automatic process control
- 0-10V or 4-20mA external control and remote Start/Stop operation
- USB connectivity for firmware upgrades
- Control modes: Automatic, Remote or Local control
- Automatic frequency scanning and load tuning
- Fast dynamic response and ramp-up time for short heating cycles
- Remote Heat station with a variable ratio transformer and a configurable capacitor bank for matching to a wide range of loads and coils
- Built-in temperature control and monitoring features
- Data logging of process and operating parameters
- RS485 (MODBUS) serial interface for remote control and monitoring

The UltraFlex SOLO Air Systems are an innovation in induction heating technology, featuring a unique Direct Digital Step™ control algorithm. Compact, air-cooled power supplies with output power from 24 kW to 32 kW.

The latest SiC MOSFET transistor technology and patented digital control algorithms ensure optimal performance and maximum efficiency in a wide frequency range (from 5kHz to 25kHz), depending on Heat Station and Capacitor bank. Ultra-flexible, wide range of load impedance matching by utilizing multiple transformer ratios and configurable capacitor banks. Durable and reliable design with built-in tuning, safety, and diagnostics features.

APPLICATIONS

Shrink Fitting, Curing and Coating, Susceptor Heating, Preheating and postheating and Special Induction Heating Applications.

HEADQUARTERS

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INDUCTION HEATING**

BENEFITS

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

SOLO Air Models

System model	SOLO 24	SOLO 32
Power Supply Part Number	OUPT-540-100-24	OUPT-540-100-32
Output kW	24kW	32kW
AC Line Volts (50/60Hz)	380/480VAC ±10%	480VAC ±10%
Line Phases	3	3
Weight Lb (kg)	44 lb. (20 kg)	44 lb. (20 kg)
Dimensions Inch (mm) WxDxH	15.7" x 12.4" x 16.1" (400 x 314 x 409)	15.7" x 12.4" x 16.1" (400 x 314 x 409)

Heat Station Model

Compatible Heat Stations	HS-32A
HS Part Number	1ACC-540-400-02
Frequency kHz	5-25 kHz
Weight Lb (kg)	35 (16)
Dimensions Inch (mm) WxDxH	9.1" x 16.7" x 8.1" (232 x 425 x 208)
Cooling requirements	Forced Air

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