UltraHeat L

50-200kW

EFFICIENT POWER FOR HEATING SOLUTIONS

BENEFITS OF INDUCTION HEATING

- Improved energy efficiency
- Higher degree of controllability
- Increased repeatability
- Low maintenance requirements
- Increased productivity

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

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

Serial Communication link to a PC based software (optional)

APPLICATIONS

Brazing, Shrink Fitting, Annealing, Hardening, Melting of Metal, Curing, Forging, Bonding, Heating, Plastic Reflow, Susceptor Heating, Optical fiber

HEADQUARTERS:

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UltraFlex POWER TECHNOLOGIES

UltraHeat L

50-200kW

EFFICIENT POWER FOR HEATING SOLUTIONS

FEATURES

- Output regulation – Voltage, Power, Current
- Limits Setting – Current, DC Volts, Output Volts, Power, Frequency
- Operator controls – Selectable: Advanced, Basic or Expert control panels
- Continuous cooling water temperature and flow monitoring
- Variable ratio output isolation transformer for load matching of a wide range of loads and coils
- RS232/485 interface for remote computer monitoring, control and diagnostics
- 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
Water Cooling System	**Water Cooling System** specified per customer's requirements
FS-01	**Foot Switch Assembly**
RCP-01	**Remote Control Panel**
RCP-02	**Remote Control Box (Start/Stop)**
IRLT	**UPT Single Color IR Monitor System (500C, 932F)** Adjustable Emissivity IR Sensor with Built in Laser Site
IRLT-TC	**UPT Single Color IR Monitor System with Temp Controller (500C, 932F)** Adjustable Emissivity IR Sensor with Built in Laser Site
IRHT	**UPT High Temp Single Color IR Monitor System (1350C, 2462F)** Adjustable Emissivity IR Sensor with Built in Laser Site
IRHT-TC	**UPT High Temp Single Color IR System with Temp Controller (1350C, 2462F)** Adjustable Emissivity IR Sensor with Built in Laser Site
TS-06	**UPT Dual Color IR Pyrometer**
HSB-250	**Heat Station Switch Unit (250A)**
CAB-WCL-900-XX	**Flexible water cooled leads**

SPECIFICATION

Power Supply Model

	L-50/50	L-75/50	L-100/50	L-200/10
Output Power, kW	50	75	100	200
Frequency, kHz	10-50	10-50	10-50	3-10
AC Line, Volts (50/60Hz)	380/480±10%	380/480±10%	380/480±10%	380/480±10%
Line Phases	3	3	3	3
Weight, Lb (kg)	771 (350)	771 (350)	771 (350)	1500 (680)
Dimensions, Inch (cm) LxWxH	31.5" x 26.8" x 82.7" (80 x 68 x 210)	31.5" x 26.8" x 82.7" (80 x 68 x 210)	31.5" x 26.8" x 82.7" (80 x 68 x 210)	31.5" x 26.8" x 82.7" (80 x 68 x 210)
Compatible Heat Stations	HS-35LF	HS-100LF	HS-100LF	HS-200LF

Heat Station Model

	HS-100LF	HS-200LF	HS-35LF
Dimensions, Inch (cm) WxDxH	31.5" x 17.7" x 19.7" (80 x 45 x 50)	47.25" x 26.5" x 29.5" (120 x 67.5 x 75)	27.6" x 15.7" x 11.8" (700 x 400 x 300)
Weight, Lb (kg)	143.3 (65)	215 (98)	129.1 (58)
Min. Cooling Water, GpM (LpM)	10.57 (40)	21.1 (80)	1 GPM (8 lpm)
Inlet Water T° (max),°F (°C)	95°F (35°C)	95°F (35°C)	60/95°F (15/35°C)