Solo Series - 12-32kW / 5-400kHz, Innovative Induction Heating System

Power Supply Model | Output Power | Frequency Range | AC Line Voltage | Remote Heat Station
--- | --- | --- | --- | ---
Solo Series | SLOD12 | 12 kW | 32-320 kHz | 230V/380V, 3 Phase | HSB-3
SLOD16 | 16 kW | 40-320 kHz | 380/480V, 3 Phase | HSB-3
SLOD24 | 24 kW | 50-150 kHz | 230/380V, 3 Phase | HSB-24

The UltraFlex Solo Systems are a breakthrough innovation in induction heating technology, featuring a unique Direct Digital Step™ control algorithm. The newest SiC MOSFET transistor technology and patented digital control algorithms ensure optimal performance and maximum efficiency in a wide frequency range (from 5 kHz to 400 kHz).

S and S-Air Series - 2-4kW / 20-400kHz, Water-Cooled and Air-Cooled Induction Heating Systems

Power Supply Model | Output Power | Frequency Range | AC Line Voltage | Remote Heat Station
--- | --- | --- | --- | ---
S Series | SMT-2/200 | 1/2 kW | 30-200 kHz | 110/230V, 1 Phase | HS-4W
SMT-2/400 | 1 kW | 100-400 kHz | 110/230V, 1 Phase | HS-4W
SMT-2A AIR | 2 kW | 20-100 kHz | 110/230V, 1 Phase | HS-4AN
SMT-5/200 | 5 kW | 30-200 kHz | 230V, 1 Phase | HS-4W

Compact, air-cooled power supplies with configurable output power from 12kW to 32kW. The latest SIC MOSFET transistor technology and patented digital control algorithms ensure optimal performance and maximum efficiency in a wide frequency range.

SM Series - 5kW / 30-200kHz, Induction Heating Systems

Power Supply Model | Output Power | Frequency Range | AC Line Voltage | Remote Heat Station
--- | --- | --- | --- | ---
SM Series | SM-5/200 | 5 kW | 30-200 kHz | 230V, 1 Phase | HS-4W
SMT-5/200 | 5 kW | 30-200 kHz | 230V, 1 Phase | HS-4W

Compact, air-cooled power supplies with water-cooled remote heat stations. Advanced 5” LCD touch screen with multiple programs, temperature control, cycle energy monitor, data collection and diagnostics features.

Solo UBraze Series – 12-24kW / 50-150kHz, Mobile Brazing Systems

Power Supply Model | Output Power | Frequency Range | AC Line Voltage | Remote Heat Station
--- | --- | --- | --- | ---
Solo UBraze Series | SOLO12 | 12 kW | 32-320 kHz | 230/380V, 3 Phase | HS-24
SOLO16 | 16 kW | 40-320 kHz | 380/480V, 3 Phase | HS-24
SOLO24 | 24 kW | 50-150 kHz | 380/480V, 3 Phase | HS-24

Ultraflex is a compact hand-held induction brazing system that is used as an environmentally friendly and safe alternative to the flame brazing torch. The accurate energy control allows you to work with precision and to accurately determine the time and power needed to braze each joint.

SmartScan™ – 50-400kHz, Induction Heat Treating Scanner

System Model | Output Power | Frequency Range | AC Line Voltage | Scanning Length, Inch (cm) | Rotation Speed (RPM)
--- | --- | --- | --- | --- | ---
SmartScan™ | 50-400 kW | 5-250 kHz | 380/480V, 3 Phase | 59 inch / 150 cm | 200
SmartScan™ Mini | 50-200 kW | 40-250 kHz | 380/480V, 3 Phase | 10 inch / 25 cm | 150

SmartScan™ is a flexible and versatile induction heat treating scanner that can be configured to perform a variety of heat treating processes such as hardening, quenching, tempering, and normalizing. It can be configured to operate as a single or dual spindle unit and can accommodate a wide range of part sizes and weights.

Dragon RoboStand – 16-24kW / 50-150kHz, Automated Brazing Systems

Power Supply Model | Output Power | Frequency Range | AC Line Voltage | Reach Radius
--- | --- | --- | --- | ---
Dragon RoboStand | Dragon 16 | 16 kW | 40-250 kHz | up to 80 cm
Dragon 24 | 24 kW | 50-150 kHz | up to 80 cm

Dragon 16/24 can automatically and consistently braze multiple joints located in predefined positions in an assembly. Brazing alloy rings are assembled onto the joints prior to the brazing process. The robotic system is pre-programmed to move to each joint and to apply power for a pre-programmed time to ensure a repeatable and reliable brazing process. The system can accommodate different production line speeds and multiple assemblies. It can be equipped with an optional vision system, capable of recognizing a variety of assemblies and positioning the brazing coil always at the correct joint location.

SmartPower™ – 50-400kHz / 6-60kHz, Induction Modular Compac System

Power Supply Model | Output Power | Frequency Range | AC Line Voltage | RF Outputs
--- | --- | --- | --- | ---
SmartPower™ Compac | USPC-1-W/XX* | 50-200 kW | 6-60 kHz | Single
USPC-2-W/XX* | 50-200 kW | 6-60 kHz | Single
USPC-4-W/XX* | 50-200 kW | 6-60 kHz | Single
USPC-1-M/XX* | 50-200 kW | 6-60 kHz | Single
USPC-2-M/XX* | 50-200 kW | 6-60 kHz | Single
USPC-4-M/XX* | 50-200 kW | 6-60 kHz | Single
USPC-1-W/XX* | 50-200 kW | 60-200 kHz | Single
USPC-2-W/XX* | 50-200 kW | 60-200 kHz | Single
USPC-4-W/XX* | 50-200 kW | 60-200 kHz | Single
USPC-1-M/XX* | 50-200 kW | 60-200 kHz | Single
USPC-2-M/XX* | 50-200 kW | 60-200 kHz | Single
USPC-4-M/XX* | 50-200 kW | 60-200 kHz | Single

* The SmartPower™ systems are built with 25kW modules that can be configured from 50kW to 400kW and 6kHz to 400kHz.

An innovative, breakthrough technology utilizing the newest SiC semiconductors and patented digital step power control. Modular design can be configured to deliver power between 50kW and 400kW in 25kW steps and in two wide frequency ranges from 6kHz to 60kHz and from 40kHz to 200kHz. Can be configured to operate with a single output or multiple, individually controlled outputs from one cabinet.

High-frequency system suitable for heating, melting, or soldering very small parts. Advanced, efficient power supplies utilizing the latest switching power supply technology. Adaptive digital phase control provides very efficient operation in a wide frequency range.

SMT and SHT models feature an advanced 5” LCD touch screen with multiple programs, temperature control and diagnostics features. Perfect for low-temperature applications (T<500°F/260 °C).

SmartPower™ – 50-400kW / 6-400kHz, Induction Modular Compac System

Power Supply Model | Output Power | Frequency Range | AC Line Voltage | Remote Heat Station
--- | --- | --- | --- | ---
SmartPower™ Compac | USPC-1-W/XX* | 50-200 kW | 6-60 kHz | Single
USPC-2-W/XX* | 50-200 kW | 6-60 kHz | Single
USPC-4-W/XX* | 50-200 kW | 6-60 kHz | Single
USPC-1-M/XX* | 50-200 kW | 6-60 kHz | Single
USPC-2-M/XX* | 50-200 kW | 6-60 kHz | Single
USPC-4-M/XX* | 50-200 kW | 6-60 kHz | Single
USPC-1-W/XX* | 50-200 kW | 60-200 kHz | Single
USPC-2-W/XX* | 50-200 kW | 60-200 kHz | Single
USPC-4-W/XX* | 50-200 kW | 60-200 kHz | Single
USPC-1-M/XX* | 50-200 kW | 60-200 kHz | Single
USPC-2-M/XX* | 50-200 kW | 60-200 kHz | Single
USPC-4-M/XX* | 50-200 kW | 60-200 kHz | Single

* The SmartPower™ systems are built with 25kW modules that can be configured from 50kW to 400kW and 6kHz to 400kHz.

An innovative, breakthrough technology utilizing the newest SiC semiconductors and patents pending Direct Digital step power control. Modular design can be configured to deliver power between 50kW and 400kW in 25kW steps and in two wide frequency ranges from 6kHz to 60kHz and from 40kHz to 200kHz. Can be configured to operate with a single output or multiple, individually controlled outputs from one cabinet.