



## “The MVP”

ITC Designed and Manufactured  
Solid State Power Supply  
For Induction Heating and Melting  
15 kW - 75 kW, 3,000 Hz to 9,600 Hz

### Standard Features

- High Electrical Efficiency
- Single Electronic Logic Control Board
- Cabinet is rugged heavy gauge steel construction
- All components are readily accessible through a front door
- Can be flush mounted against a wall
- Output power connection can exit out of the lower left or lower right side of the cabinet.
- Has SCR controlled Electronic Circuit Interrupter that shuts the power off in the event of an inverter fault. This prevents the loss of expensive fuses, damage to circuit breaker and protects inverter components.
- Diagnostic lights on the front panel monitor electronic controls and safety interlocks
- High quality design is user and maintenance friendly



Power Input: .....460 Volt, 3 Phase, 50/60 Hz  
Approximate Shipping Weight: .....1200 lbs.  
Cabinet Dimensions:.....36 inches Wide  
24 inches Deep  
75 inches High

### Options

- Two furnaces can be operated alternately with air operated “double pole/double throw” selector switch
- Closed water re-circulating system for power supply components. This option can be attached to the outside of the cabinet or supplied on a free standing frame. An external water source is required to cool the plate type heat exchanger.
- Logic can be interfaced with PLC or temperature controllers

### Important Note About Cooling Water

Controlling water quality is the “Secret” to trouble free operation and long life of induction equipment. Severe damage from electrolysis, scaling, blockage and overheating can result from poor water quality. The best way to prevent these problems is with a *Closed Loop Water Cooling and Recirculating System* where water conductivity and cleanliness can be maintained. **ITC** can offer the correct cooling system based on your geographical location and specific usage. The proper cooling system will extend the life of the equipment, reduce down time and maintenance costs.