

1. Specifications and features

1.1. Output

| | |
|-----------------|-----------------------|
| Maximum Power | 40kW ¹ |
| Duty Cycle | 100% |
| Maximum Voltage | 700V rms ² |
| Frequency | 35kHz to 400kHz |
| Cable current | 400Amps Peak |

1.2. Physical

| | | |
|--------------------------|---------|------------|
| Dimensions: Length | 18.25in | (463.55mm) |
| Width | 8in | (203.2mm) |
| Height (box) | 8.625in | (219.07mm) |
| Weight (unloaded box) | 41lb | (18.6kg) |
| Weight (with 10ft cable) | 63lb | (28.6kg) |

1.3. Capacitor Rail

| | |
|---------------------|---|
| Resonant capacitors | Mounting space provided for eight capacitors. : |
|---------------------|---|

1.4. Load

| | |
|------------------------|--|
| Quality factor of load | Will operate with any load Q (including resistive loads), provided that the output frequency and voltage is within the specifications. |
|------------------------|--|

1.5. Cooling water

| | | |
|------------------------------|---------------------------|-----------|
| Maximum pressure | 100PSI | (690kPa) |
| Minimum recommended pressure | 30PSI | (207kPa) |
| Minimum water flow | 1GPM | (.064l/s) |
| O-Ring specification | #014, 5/8" x 1/2" x 1/16" | |

¹ 40kW is rated power. Higher power levels may be used if the load and duty cycle are not extreme.

² Limited by rating of resonant capacitors.

