



Resonant Power Supply:

The power supply utilizes a resonant driver that employs the high voltage winding capacitance of the transformer to its advantage.

Advantages:

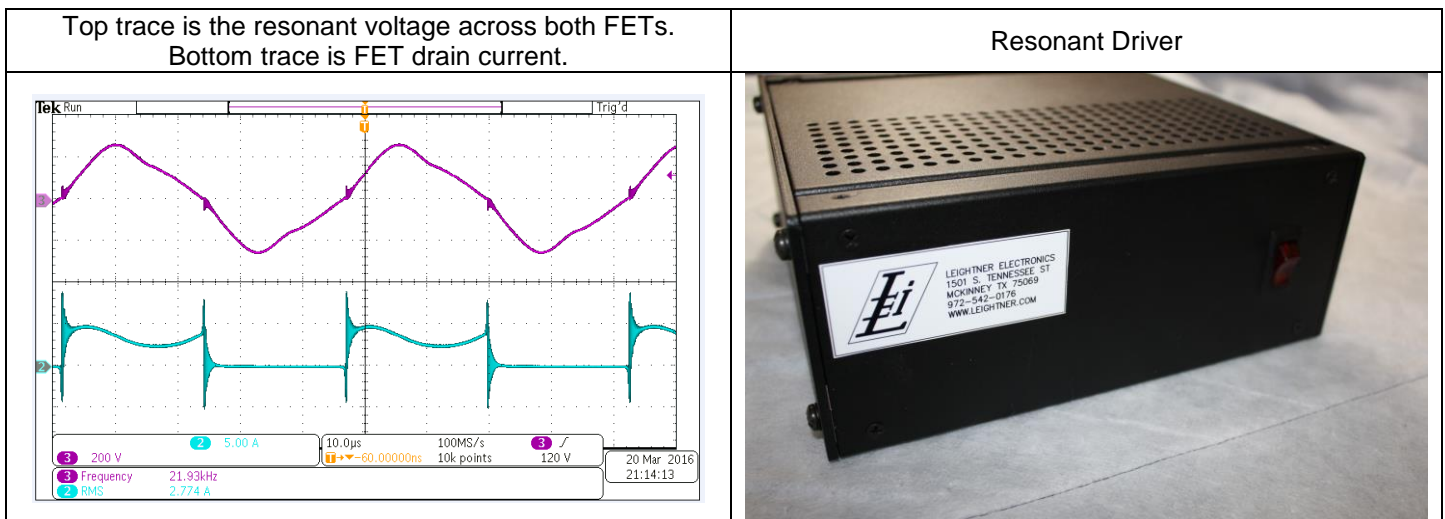
- 8 times less weight and 4 times smaller than a conventional power supply.*
- Sine wave operation reduces EMI and RFI.
- Operational frequencies up to 100 kHz.
- Efficiency is up to 95%.
- Over voltage and current protection.
- Lower EMI / RFI and switching loss due to zero volt switching.
- Winding capacitance is cancelled negating all high reactive currents.
- Design is “Magnetics” based which yields a far more robust and forgiving circuit than conventional methods.

Uses:

Suitable for any application that requires high voltage and high power, or lower voltage with very little noise.

Specifications for our 1kW unit:

- Dimensions: 3.5” x 8.5” x 8”
- Weight: 4lbs, 3oz.
- Power input: 115 VAC for 12V bias supply plus external DC supply.
- Power: up to 1 kW.
- Frequency: up to 100 kHz.



*Our 1 kW unit weighs 4.18 lbs. DC power supply by Kepco, model KLP 10-150 weighs 15 lbs. Total weight is 19.18 lbs. Comparison is to a competitor's 1 kW unit, which weighs 150 lbs. $150/19.18 = 7.82$ times lighter!