

# Capacitive Transformer

This is a 'forgotten' technology, invented over 100 years ago, and **seriously needed TODAY!**

Transformers made from capacitors are almost 100% efficient.

They do not have losses from heat, noise and induction. **They virtually eliminate 'Phantom Load'.**

They are so easy to design **a child could do it.**

They can be reconfigured, to change voltage and amperage ratios, easily and on-site.

They are inexpensive to build, using manufacturing technology that's been in place for over 100 years.

They can be smaller and lighter than inductive transformers.

They are inherently 'Capacitive Amperage Limiting (CAL)', so **short circuits will not damage them.**

There are no patents on Capacitive Power Supply (CPS) technology.

The CPS information is Public Domain so anyone can build and use them.

Anyone who uses Capacitive Transformers will have a serious advantage over their competition.

The CPS can be used to replace virtually all Step-Down Transformers.

The CPS is applicable to Industry, Commercial, Residential and Appliance applications.

George Wiseman of eagle-research.com rediscovered CPS technology and uses it

(just one of his efficiency technologies) to make almost 100% efficient appliances. Examples are:

**A Battery Charger** that uses 50% less wattage to charge lead acid batteries.

<http://www.eagle-research.com/cms/node/235> <http://www.eagle-research.com/cms/node/364>

CPS technology can be used to make super efficient on-board chargers for **electric cars.**

**A WaterTorch** that electrolyzes (splits) water with near 100% efficiency (NASA is only at 80%).

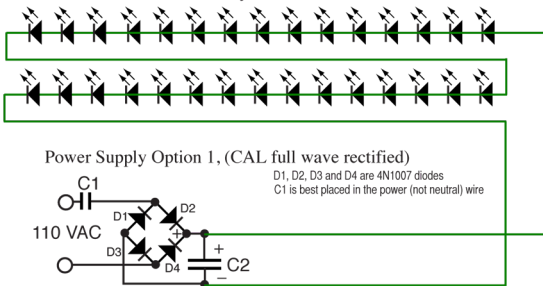
<http://www.WaterTorch.com> <http://www.nationalhydrogenfoundation.org/news.html>

CPS technology doesn't eliminate the less-efficient, noisy, hot and heavy inductive transformers

because it cannot be used to Step-Up voltage and it is not 'voltage isolating'. But there are still billions of Step-Down applications that can use this simple and super-efficient technology.

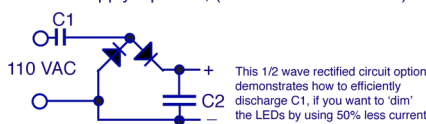
Here are a couple of CPS circuits, to show how simple this revolutionary technology is:

30 LEDs in series, can be any color or mixture of colors

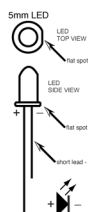


Power Supply Option 1, (CAL full wave rectified)  
D1, D2, D3 and D4 are 4N1007 diodes  
C1 is best placed in the power (not neutral) wire

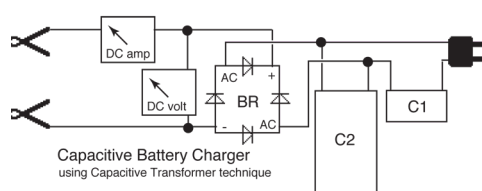
Power Supply Option 2, (CAL 1/2 wave rectified)



This 1/2 wave rectified circuit option demonstrates how to efficiently discharge C1, if you want to 'dim' the LEDs by using 50% less current.



See the links above for circuit designs and schematic details.



**NOT using CPS technology has resulted in the waste of QUADS of electricity.**

**Can we continue this waste if we want to wean ourselves from foreign oil?**

**Should we continue this waste if a simple, inexpensive solution exists?**