

Re: I know this will sound stupid but...

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- *From:* Eeyore <rabbitsfriendsandrelations@xxxxxxxxxxx>
 - *Date:* Mon, 26 Feb 2007 04:45:21 +0000
-

ehsjr wrote:

Eeyore wrote:

John Fields wrote:

martin griffith <mart_in_medina@xxxxxxxxx> wrote:

John Fields
<jfields@xxxxxxxxxxxxxxxxxxxxxxxxxxxx> wrote:

Eeyore
<rabbitsfriendsandrelations@xxxxxxxxxxx>
wrote:

raddriver02@xxxxxxx
wrote:

I
know
this
will
sound
stupid
but
I
want
to
be
sure
that
this
doesnt
blow
up

Re: I know this will sound stupid but...

in
my
face
(literaly).
How
do
you
make
a
simple
circuit
consisting
of
capascitors
to
increase
the
volatage
in
a
12v
DC
supply?

You can't.

Sure you can, dumb ass.

You do it
with an AC
voltage if
you use
capacitors
and diodes
but not DC.

Charge two or more
capacitors in parallel and
then discharge them,
in series, into another
capacitor. Do it fast enough
to compensate
for losses and the load, and
the voltage across the output

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cap will
rise to nearly $n E_{in}$, where n
is the number of caps
dumping into the
reservoir.

Compound charge pump,
dopey donkey, No AC
involved.

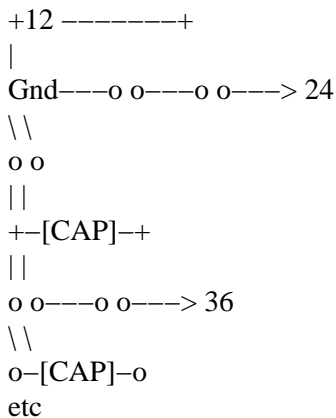
hmm, so what do you use to switch the
capacitors? AC or DC

In the simplest instance, relays with DC coils.

Fed with DC ?

Graham

Of course. Hell, you can do it manually with
DPDT toggle switches.



At the slow speed of manually flipping toggles,
there would be a limited number of applications,
perhaps single pulse or very low current needed.
But the principle to raise the voltage by
switched capacitors is there. John takes it
a step further, dumping the voltage into a
reservoir cap and switching rapidly, which expands
the applications this can support. You must know

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there are chips that do this

Absolutely.

– so what is your point?

It's not DC.

Graham

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