Charge Pump Voltage Inverter

Texas Instruments TPS60800-Q1 Charge Pump Voltage Inverter generates an unregulated negative output voltage from a 1.8V to 5.25V input voltage range. The devices are typically supplied by a ...

Learn what a charge pump inverter is and how to breadboard and use it for powering split-rail guitar pedal designs.

The usual way to regulate the output voltage of a charge pump is to put an adjustable current source, I1, in series with switch S1, or S2 in the case of an inverting charge pump (see Figure 3).

Our portfolio of charge pumps includes devices that enable doubled, inverted or regulated voltage output in a variety of applications including LED lighting, automotive, industrial and more.

V. The SGM3204 can provide up to 200mA output current. The typical conversion effi. iency exceeds 80% over a wide range of output current. The wide supply voltage is well suited for various ...

The ADP5600 is an interleaved charge pump inverter with an integrated, negative, low dropout (LDO) linear regulator. The interleaved charge pump inverter exhibits reduced output voltage ripple and ...

TI"s TPS60403 is a 60mA Charge Pump Voltage Inverter with Fixed 250kHz Operation. Find parameters, ordering and quality information

This board is a charge pump voltage inverter that converts an input voltage between 1.8 V and 5.3 V to a corresponding negative output voltage, with a typical efficiency of over 80%.

Analog Devices" family of charge pumps offers the widest selection of simple and compact inductorless dc-to-dc converter designs. These converters can be used to step-up, step-down, or invert an voltage.

Like a buck converter, charge pumps are typically used to produce an output voltage which is higher than the input voltage. However, they can also be configured to reduce the input voltage (buck) or ...

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