

## European Solar and Energy Storage Solutions

# Micropower Radio Network



## Overview

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Micropower radio is a subset of pirate radio concerned with low-power radio broadcasting, usually less than about 100 watts radiated power and sometimes less than 0.1 watt. Micropower radio transmits to a number of recipients ("listeners" or "viewers") that belong to a small local group. Beginning in the early.

Free Radio, Electronic Civil Disobedience by Lawrence Soley .

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What is micropower radio?

Unsourced material may be challenged and removed. Micropower radio is a subset of pirate radio concerned with low-power radio broadcasting, usually less than about 100 watts radiated power and sometimes less than 0.1 watt. Micropower radio transmits to a number of recipients ("listeners" or "viewers") that belong to a small local group.

What is micropower broadcasting & free radio movement?

The Micropower Broadcasting, Free Radio Movement has shown this to be untrue. Micropower broadcasting uses FM transmitters whose power output is in the range of 1/2 to 40 watts. Such transmitters have a physical size that is not greater than that of your average brick.

What kind of battery do I need for a micropower radio?

A good quality gel charger must be used to ensure battery longevity. Smaller gel cell batteries work really well for setting up a low power (6 watts or less) transmitter on a street corner as a public demonstration of micropower radio.

What type of amplifier is used in micropower broadcasting?

Most of the amplifiers that have been used in micropower broadcasting are of the first type. A tunable amplifier can be a bit of a problem for those without much experience. In a typical tuned stage amplifier there will be two tuning capacitors in the input stage and two more in the output stage.

Which antenna is best for micropower broadcasting?

Under most circumstances the omni is the antenna of choice for micropower broadcasting. Polarization is another aspect to consider but does not play that big of a role in most cases. Antennas can be vertically, horizontally or circular in polarization. Most micro broadcast antennas are vertically polarized.

Do gel cell batteries work for micropower radio?

Smaller gel cell batteries work really well for setting up a low power (6 watts or less) transmitter on a street corner as a public demonstration of micropower radio. In Berkeley a 6 watt micropower station is set up at the local flea market as a community demonstration on weekends. It is called Flea Radio Berkeley.

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### CD4046B Phase-Locked Loop: A Versatile Building Block for

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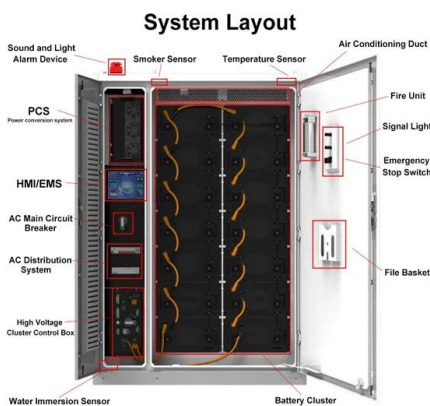
The CD4046B PLL is a versatile building block, suitable for a wide variety of applications, such as FM demodulators, frequency synthesizers, split-phase data synchronization and decoding,

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### CD4046B Phase-Locked Loop: A Versatile Building Block for

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6 CD4046B Phase-Locked Loop: A Versatile Building Block for Micropower Digital and Analog Applications Phase comparator I is an exclusive-OR network that operates analogously to an ...



### Preserving Pieces of Microradio History

Though unlicensed radio is still very alive, especially in places like Boston, South Florida and the New York Metro area, I think it's important to remember that the civil disobedience of the unlicensed micropower radio

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