Subject: Need recommendations for efficient speaker to run on solar power
Posted by Tim S on Wed, 07 Feb 2007 00:16:09 GMT
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Hi,I am researching options for building a highly efficient audio system for use with solar power. The goal is to obtain as much quality audio as possible from minimal energy input, such as 25 watts or less. The amp I am considering is based on the Tripath TA 2024 chipset. See http://www.michael.mardis.com/sonic/start.html for details. I am looking to find a good set of efficient speakers with >93db sensitivity to match this amp. Something with good midrange performance at around 7-8 watts per channel would be ideal.Do you have any recommendations for a pi speaker?

Subject: Re: Need recommendations for efficient speaker to run on solar power
Posted by Wayne Parham on Wed, 07 Feb 2007 06:01:01 GMT
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With 7 to 8 watts per channel available, any of the models will sound great. Your choice can be

Subject: Re: Need recommendations for efficient speaker to run on solar power
Posted by Cuppa Joe on Thu, 08 Feb 2007 03:59:30 GMT
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....or, something from Sunn? Sorry, couldn't resist!

Subject: Re: Need recommendations for efficient speaker to run on solar power
Posted by Wayne Parham on Thu, 08 Feb 2007 04:12:32 GMT
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Sunn. Solar power. By, golly, I think you're on to something!

Subject: Re: Need recommendations for efficient speaker to run on solar power
Posted by Tim S on Thu, 08 Feb 2007 07:22:41 GMT
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Sunn, ah the days of the monolithic 1200 watt tube amp. The warm glow of oversized tubes, where massive heat sinks are needed to dissipate the 90% loss of efficiency.Sadly, my solar array could not muster so much as a barely audible bleep from one of those vintage Sunn behemouths. So I am stuck figuring out how to make sounds that somewhat resemble the classic tube amp by generating high frequency pwm waveforms with my solar array and switching them into drivers with different response characteristics. The sound you can get from class d amps from only 15 watts still amazes me.Not to mention the incredibly small size of these things - you could easily hide several inside a speaker cabinet:

Subject: Re: Need recommendations for efficient speaker to run on solar power
Posted by dB on Thu, 08 Feb 2007 11:57:08 GMT
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... or Steven Mark(s) "secret" TPU Toroidal Generator., or else chinese?!(http://www.zpenergy.com/modules.php?name=News&file=article&sid=2206)(http://jeanyves.hervouet.free.fr/JapRod/)But for now, solar is not bad at all, I agree. Save the planet.
 Toroidal Generator