

The New Home Battery: Is Off Grid Living About to Become Mainstream?

From Tesla Motors' CEO Elon Musk

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One of the brains behind Tesla motors and Paypal, Tesla Motors CEO and entrepreneur Elon Musk has a new invention up his sleeve that will help power homes at low cost, and it will make living off-grid easier than ever.

A Florida woman had to [stand up to a local judge](#) to continue living off grid when he declared it illegal, but if millions of people start to live more self-sufficiently and sustainably, what will the corrupt judiciary say then?

Musk's new invention is based on Tesla's lithium-ion battery technology, and the new battery is expected to help the company [become a leader](#) in the growing home energy-storage market.

"We are going to unveil the Tesla home battery, the consumer battery that would be for use in people's houses or businesses fairly soon," Bloomberg [quoted](#) Musk as saying.

Not only does this mean that people could tell their electric company (and their high bills) good-bye, better lithium-ion storage also means that even solar arrays [would work better](#). Soon, clean energy could be powering everything from our ovens to our computers and lights with more ease.

If homesteaders [were ever concerned](#) about having a sufficient supply of on-demand energy, Musk's technology would put those worries to bed. Many solar panel manufacturers won't currently warranty their goods for off-grid living because of storage issues, but the new battery changes that problem considerably.

"We are trying to figure out what would be a cool stationary (battery) pack," Forbes had quoted Musk [as saying](#) at the time. "Some will be like the Model S pack: something flat, 5 inches off the wall, wall mounted, with a beautiful cover, an integrated bi-directional inverter, and plug and play."



A Nissan Leaf battery pack – similar to what you might expect for a home battery.

[The production of the battery](#) is set to begin in the next 6 months. Lithium-ion technology [is popular because](#) the “li-on” batteries are great with energy density; a LIB setup can pack a lot of power into a very small space. According to MIT researchers, “Li-on” batteries offer sufficient charge times and a high number of discharge cycles before they die.

“The long-term demand for stationary energy storage is extraordinary,” JB Straubel, Tesla’s chief technical officer, [said](#). “We’ve put in a huge amount of effort there.”

Overall, the “system” is built to discourage any lifestyle, which would make one sovereign – that is, sustainable, and not dependant on government plutocracies. This threatens our very independence, and in a time when our water and soil is being poisoned, forces us to partake of a disenfranchising system, which causes ill health to the masses.

Anything that helps us live a more self-sufficient life untied from government-led living systems could very well help us survive in the not-so-certain future.

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