

## Prius with solar panel

From a personal cost-benefit analysis, I just don't see the allure of the Solar Panel. I'd like a moon roof very much, but don't want to be saddled with the de facto, say \$1000, extra cost of the Solar Panel. If the Solar Panel were offered as a separate option for \$1000, I doubt that many people, even here, would buy it.

Koji Toyoshima, Toyota's chief engineer for the Prius plug-in, says that the solar panel will increase car's efficiency by up to 10 percent. In good conditions, the panel will likely add about ...

In November, Toyota unveiled its new 2023 Prius model: the Prius Prime, which comes with a built-in solar panel. As Toyota shared in a press release, the Prius Prime continues a line of efficient, low-air pollution hybrid vehicles that began with 2009's Prius Plug-In. Like its predecessors, this new Prius offers both a fully battery-powered mode and a hybrid mode with ...

The solar panel does work. I've been comparing temperature readings with solar vent on and off, and with or without a windshield heat shield. I can't open my windows because of dust. When it is very hot and sunny (~100F) the car interior will be about 125 with vent running. Without the solar vent the temp will be over 150F.

Unlike the previous solar panels to adorn its the Prius plug-in hybrid, the new array will be capable of charging the vehicle while it is on the move. 2 / 13. Toyota expects the latest array ...

A place to discuss Tesla Solar Panels, Solar Roof, Power Wall, and related gear. If you're into solar energy, tesla, or cool technology, this is the place for you! Be sure to visit our friends at [r/PowerWall](#) and [r/TeslaMotors](#)!

The solar charger also supplies power to auxiliary functions while driving. On Prius Primes equipped with the solar roof, information about power generation is shown in the vehicle's Multi-Information Display. Prime Engineering. Built on the second-generation TNGA-C platform, the 2024 Prius Prime brings a new look that's both cool and ...

Has anyone managed to use the solar panel of the prius other than just the air vent system? I usually need to charge my mobile/ipad etc while parked (or driving).. is it possible with a simple modification or any after market accessories for that? #1 arkey, Dec 4, 2011. Jdh2425 likes this. arkey Junior Member. Joined:

The 2023 Toyota Prius Prime XSE Premium is another addition to the list of best EVs with solar panels on electric car roofs. It offers an estimated 39-mile driving range and a starting price of \$39,170 .

Perhaps the coolest new Prius Prime feature is a solar panel roof that can charge the battery pack while driving



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or parked. Toyota says typical sun exposure over the course of a year can deliver ...

Today, I might use a buck boost converter coming from the solar panel to keep the voltage up on this cloudy day. I would add more solar panels but don't have the parts right now. Note: Lasersaber's SOLN1-2000 should be able to recharge an electric vehicle because it generates 2000 watts and the prime takes 1400 watts.

Unfortunately the panel is now out of stock on amazon .uk so I cannot provide a link, but the specs are below: ALLPOWERS 18V 12V 10W Portable Solar Panel Battery Charger Maintainer Just found this on the Amazon. com site and it seems to be exactly the same apart from the manufacturer name

Optional solar roof on the new Prius Prime adds about 3-4 miles of range/day. motortrend. It's a 185 watt panel with a list price of \$610. ... Solar systems are good for many years with no maintenance. They didn't give a wiring diagram or anything, but they may have been able to make do with the EV DC-DC converter between the 12V and traction ...

The new Prius models will have solar panels built by Sharp, thin films that are around 0.001 inches thick. With solar panels that thin, Toyota has the flexibility to add them to not only the car's ...

What Is the 2023 Toyota Prius Prime's Solar Roof? Offered as an option on the range-topping XSE Premium trim (which is rated at 39 miles of EV range) the solar roof supplants the glass...

I'm looking to lease a new 2024 Prius Prime, specifically with the solar roof option. But I'm absolutely striking out on locating one. I could order new, but I have no idea what the timeframe would be. Dealerships have told me to expect a ~two month wait for a customer order, but I imagine that'd be much longer for a solar roof. ...

The all-new Prius Prime also blends its athletic side with a bit of star powered tech: a solar roof. This on-board charging feature uses roof mounted solar panels to recharge the ...

Everything Toyota Prius! Currently private to support the proposed changes to third party apps. ... They did mention the solar panel is used to charge the 12v while driving, but you're probably right, it's too much trouble to have the hybrid battery charge the 12v when off just to prevent the occasional dead battery. Reply reply

I'm getting solar panels installed, but without a battery (they offered one, but it's now back-ordered for a year). It costs me about \$30/mo to charge the Prius Prime. Solar won't drop that at all if I end up charging it at night w/o a battery. (Well, maybe \$1/mo.) So I'm curious about a dedicated setup just for the car. #1 ...

We have 2017 Prius PHV (Japanese import) with a solar roof. You don't really notice that it adds much range driving it day-to-day. Then we left it in the airport parking for 9 days. ... If I had to pay a few thousand more for solar panel, it would definitely make that option less attractive. It's nice to have, but if it costs you \$\$\$,

think ...

If one wanted to purchase high-capacity super-absorbent solar panels and affix them to the roof of the Prius and have it power the car, would it be possible? ... That would be cool if you could buy a custom curved solar panel, in the near future, that was super absorbent (ie: 1 panel was equivalent to 3 or 4 older panels ) and matched the ...

What happens when the Prius Prime gets AC power. Does it actually cause any relays to switch? ... Any car-mounted solar panels will suffer sub-optimum solar exposure conditions, i.e. more shade and poorer exposure angles than typical home solar systems. Car-mounted systems will also suffer additional air and weight drag.

Adem&#225;s de todo esto, el Prius PHV Solar a&#241;ade un techo con paneles fotovoltaicos capaces de generar una potencia de 180 W. Cuando estamos conduciendo el Prius PHV Solar, este panel se encarga de alimentar la red el&#233;ctrica de 12 voltios, es decir: sistema de audio, climatizaci&#243;n, elevalunas, alumbrado, etc. Cuando dejamos el coche aparcado ...

The solar roof option on the latest-generation Prius Prime will recharge the plug-in hybrid's battery, but the automaker doesn't really intend to move the needle dramatically on the overall ...

What is changing? In November, Toyota announced its next-generation Prius, which includes an option for a solar roof that can charge its battery. While earlier models could power the air conditioner, the new model's solar panel could charge the battery while the car is parked. Although it does not generate a lot of power, it is enough to run for a small number of ...

The solar roof is a solid glass panel, so it won't add anymore weight to the car vs one with the glass panel roof. In fact, it will likely be less as the glass panel roof (non solar) has built in sliders in the headliner to block out the sun, where the solar roof has a solid headliner.

The all-new Prius Prime also blends its athletic side with a bit of star powered tech: a solar roof. This on-board charging feature uses roof mounted solar panels to recharge the Prius Prime's battery when parked. The panels deliver supplemental power to accessory functions, like air conditioning, when driving and they also use a clever

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