

# **Gas Generator**

\$cheap (+ gas)

#### PROs

-cheapest solution

#### CONs

- -requires you store gas on your property (NOT enclosed area)
- -gas can explode in a brushfire
- -inexperience with gas generators can lead to accidents (like in the dark during a Blackout)
- -cannot be used indoors (fumes), so may need long extension cords going through windows
- -unfriendly to the environment

-noisy

# **Propane Generator**

\$5,000 - \$10,000 (+ propane)

#### PROs

-most of us already have a propane tank, so no storage or maintenance issues

#### CONs

- -requires you store gas on your property (NOT in an enclosed area)
- -gas can explode in a brushfire
- -inexperience with gas generators can lead to accidents (like in the dark during a Blackout)
- -cannot be used indoors (fumes), so may need long extension cords going through windows
- -unfriendly to the environment

-noisy

# Solar-Powered Lithium Ion Batteries - with/without Solar Panels

## \$500 - \$5,000

#### PROS

- -portable
- -can bring them inside
- -silent
- -can be used for ANY electrical-powered stuff you have
- -display tells you how many hours you have left
- -can buy portable solar panels to keep them going infinitely in sunny weather
- -good for Blackouts, but maybe NOT rainy tree-down outage days
- -unlike a Tesla Powerwall, you CAN take it with you if you move
- -solar energy from the sun is FREE

#### CONs

- -they cost more than gas unless you also add in the cost of the gas itself over time
- the high-end solution (Yeti 3000 with maximum portable solar panels) could cost \$4,000-5,000 - making you think Heck, let's just get a Tesla Powerwall...
- -only really a solution for communication backup: landlines & internet for cell phones
- -and SMALL electronics: never underestimate the power of a functioning coffee-maker -small-medium Yetis would not be enough to keep laptops up for long
  - -so your internet/cell is ALL through your cell phone (doable, but pesky)
  - -you can keep your phone charged with a solar-powered battery on your windowsill

# Tesla Powerwall Batteries - with/without Solar Panels

#### **\$6,000 - \$13,000++** (after incentives - subject to change) **CONTINUOUS POWER TO ESSENTIAL HOME CIRCUITS**

### PROs

- -continuous power to your essential home circuits a True Joy
- -does NOT require solar panels can charge off your house outlet and be ready for an outage
- -better with solar panels since then you can last indefinitely in sunny weather during a multi-day Blackout
- -saves on your electric bill (not tons, but some)
- -improves the re-sale value of your home
- -good for the environment
- -solar energy from the sun is FREE
- -makes your carport look cool even though they don't have wheels

## CONs

- -expensive: one wall could be \$6,000-8,000 (prices are in flux); a 2nd wall is not double that, but almost
- -you need to have sunny property
- -permits take time & some companies put you on a waiting list
- -if you don't already have solar panels, then THAT costs more too

# **OUR DECISION: Solar & Tesla Powerwall**

X To buy a Goal Zero Yeti, we bought ours online from EarthTechProducts:

https://www.earthtechproducts.com/

They seemed to have the best prices at the time and they have free shipping and no sales tax.

**To set up your Goal Zero Yeti**, (figuring out where to plug it into your communications equipment), you can contact fellow Topangan and handyman for hire:

## Scott King - Technical Consultant/Yeti Whisperer

jsk1.2007@gmail.com 310-486-1248

\_\_\_\_\_

**To buy large solar batteries**, we had a Xero Solar rep come out and size our needs (based on our yearly power bill) and ended up with 2 Powerwalls (we already had solar panels). The delay was minimal since they had them in stock. We are very happy with it all.

Lee Rhoads - local Topangan & Solar Power Consultant Solar Consulting 310.455.2958 office 310.487.5750 cell leesolarconsulting@gmail.com

JaneTerjung.com/StayConnected