







Learn about Solar + Battery Storage



Agenda



- Batteries 101
- Why Does Connecticut Need Energy Storage?
- How Does Energy Storage Solutions Work?
- Questions



Before we begin...

What are Home Batteries?



Refrigerator for approximate size comparison

All batteries shown have a capacity of about 12-18 hours of home backup. Additional electrical equipment not shown.

Why Batteries?

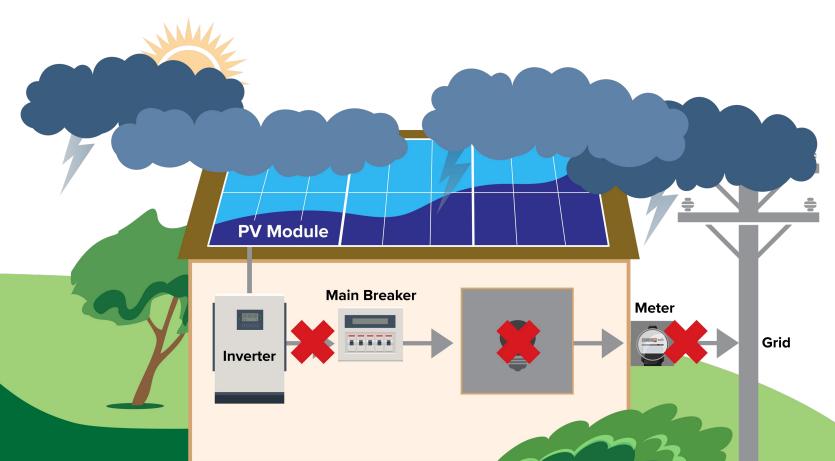






Batteries 101

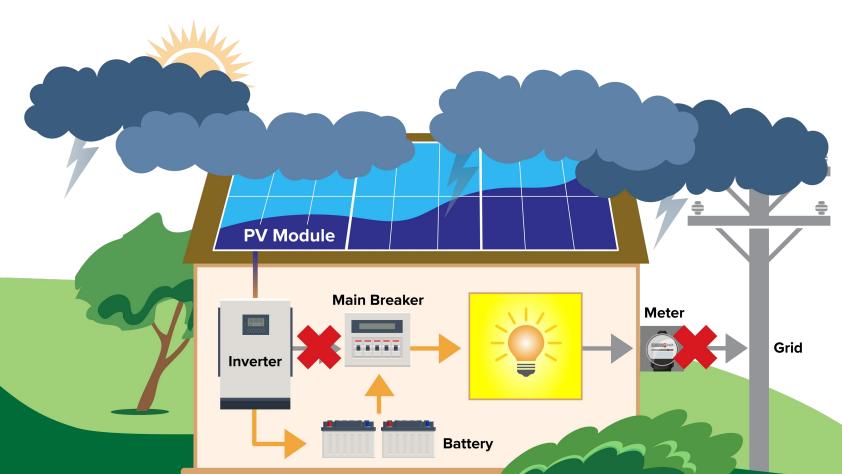
Solar Panels Turn off During a Power Outage



Solar panels are not designed to power your home when the grid goes down! This is for two reasons:

- It is dangerous for your solar panels to put electricity on the grid when line workers may be fixing power lines.
- 2. The power output from solar panels isn't steady enough to reliably run everything in your home (clouds, tree shading, etc.)

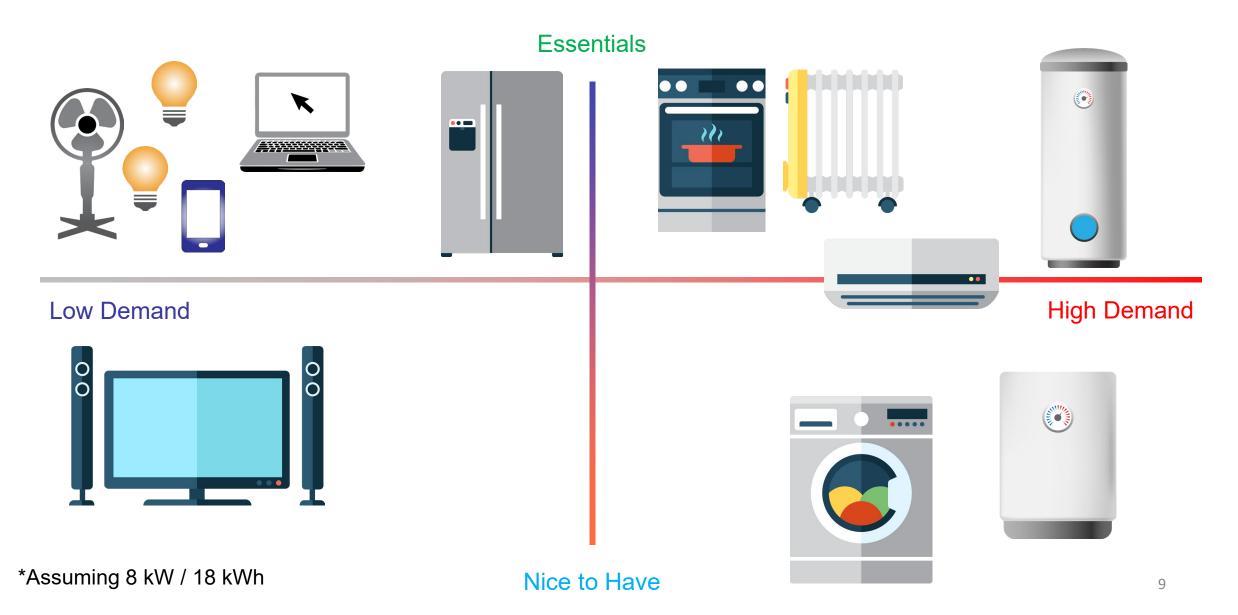
Solar + Home Batteries Stay Connected



You can charge your home battery using your solar panels, safely disconnect from the grid during a power outage, and run your home on battery power for several hours... and recharge using the sun!

When the grid goes down in a power outage, the solar panels and battery will automatically switch over to backup mode – no action needed from you!

What Can Home Batteries Power?



How Will Your Battery Perform in Energy Storage Solutions?

Passive Dispatch – Upfront Incentives

- If you received an upfront incentive (most customers do), your battery
 will be pre-programmed to discharge its energy on weekdays in
 June, July, and August (except for Juneteenth and the Fourth of
 July)
- "Set it and forget it!" ensures batteries will help offset peak demand without additional input.

Active Dispatch – Performance Incentives

- If the utility predicts the peak will occur at a different time any time in June, July, August, or September, your battery will switch to dispatch during that time frame and earn an additional performance incentive.
- All residential Energy Storage Solutions customers are eligible for Active Dispatch
- Active Events are called 24 hours in advance and override Passive Events
- Customers are notified by their battery OEM (app notification or email)
- Active Events are optional you can opt-out using your battery's app or website

What about Outages?

- Your electric utility will cancel any planned events when a severe weather event can potentially cause outages
- Most batteries have software that prevents discharge when major weather events are predicted by NWS:

Storm Guard (Enphase)
Storm Hedge (Franklin WH)
Outage Guard (Generac)



How does it all add up?

(Hint: prices are coming down!)



Standard Rate Example

Average system size: 10.3 kW / 23.4 kWh

Cost before incentives: \$29,887

Upfront Rebate: (\$5,850)

30% Federal Tax Credit¹: (\$7,211)

10 Years of Performance Incentives: (\$8,062) (estimated)

10-Year Net Cost of Backup Power as low as \$8,764 (\$6,716 for Grid-Edge²)

Talk to an eligible contractor to see what you qualify for!

¹ Consult a qualified accountant to see if you qualify for the Federal Investment Tax Credit (ITC)

² See Grid-Edge map for more information



Underserved Rate Example

Average system size: 10.3 kW / 23.4 kWh

Cost before incentives: \$29,887

Upfront Rebate: (\$10,530)

30% Federal Tax Credit¹: (\$5,807)

10 Years of Performance Incentives: (\$8,062) (estimated)

10-Year Net Cost of Backup Power as low as \$5,448 (\$2,399 for Grid-Edge²)

Talk to an eligible contractor to see what you qualify for!

¹ Consult a qualified accountant to see if you qualify for the Federal Investment Tax Credit (ITC)

² See Grid-Edge map for more information



Low-Income Rate Example

Average system size: 10.3 kW / 23.4 kWh

Cost before incentives: \$29,887

Upfront Rebate: (\$14,040)

30% Federal Tax Credit¹: (\$4,754)

10 Years of Performance Incentives: (\$8,062) (estimated)

10-Year Net Cost of Backup Power as low as \$3,031 (\$2,399 for Grid-Edge²)

Talk to an eligible contractor to see what you qualify for!

¹ Consult a qualified accountant to see if you qualify for the Federal Investment Tax Credit (ITC)

² See Grid-Edge map for more information



Just like with solar panels, lease options are available!

- Good for customers who can't utilize the Federal tax credit
- Simplify incentives and bundle into one monthly price
- Talk to your contractor about your payment options!

Get Started

www.energystorageCT.com

- Learn about the program
- Explore program data
- Find an eligible contractor
- Is your preferred contractor not on the list? Email us at energystorage@ctgreenbank.com

Questions?