

Plug-in Solar

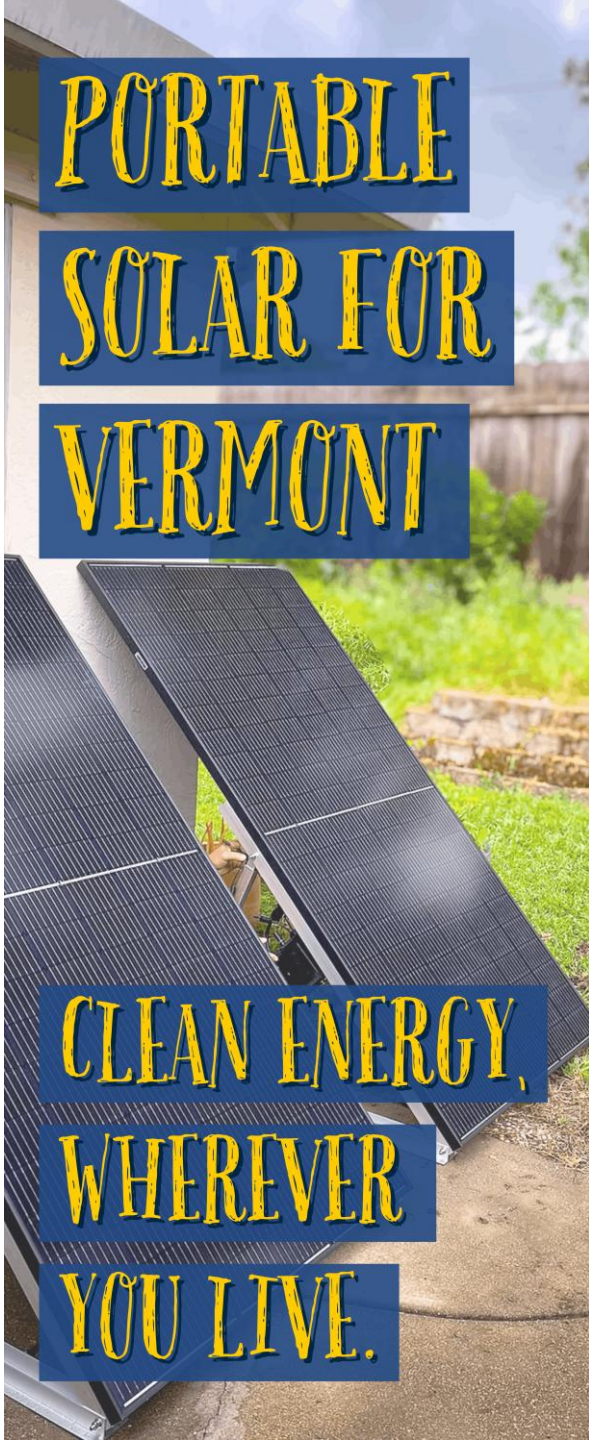
Testimony for the House Committee on
Energy & Digital Infrastructure

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Why Portable, Plug-in Solar?

**Plug-in solar
increases
access to
solar.**

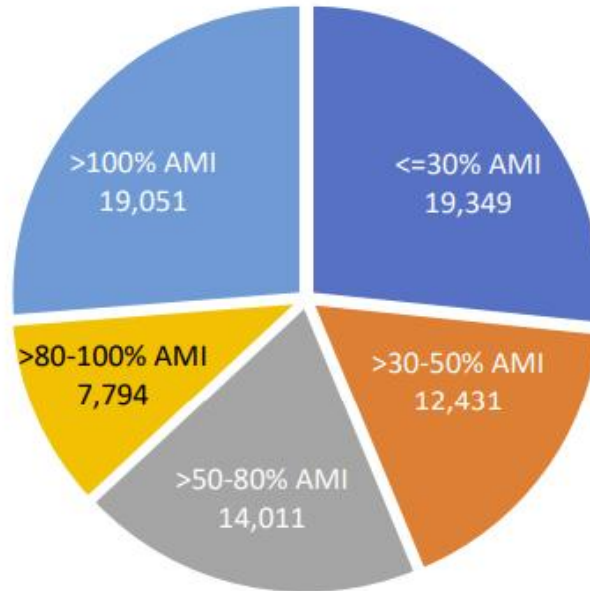
The background of the central section is a photograph of several portable solar panels. The panels are dark, rectangular, and mounted on a silver metal frame that is tilted at an angle. They are situated outdoors on a concrete or gravel surface, with a green lawn and a wooden fence visible in the background under a clear blue sky.

**PORTABLE
SOLAR FOR
VERMONT**

**CLEAN ENERGY,
WHEREVER
YOU LIVE.**

Why Portable, Plug-in Solar?

Renter households by income level

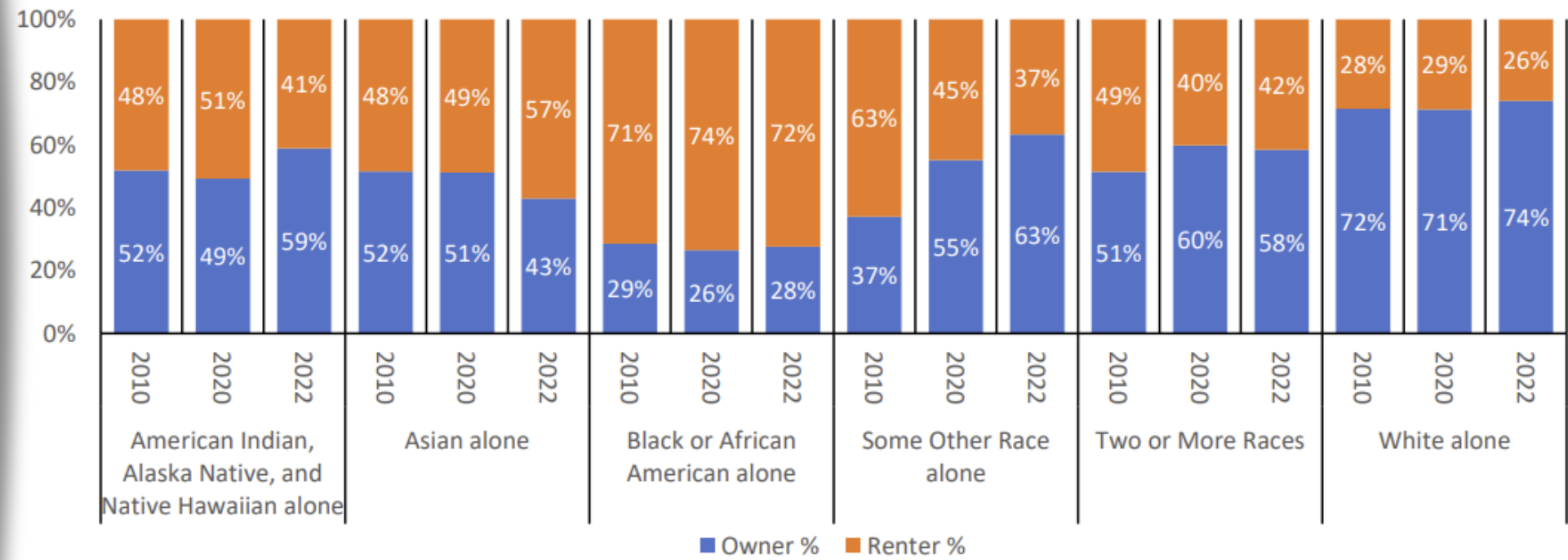


Source: U.S. Census Bureau, American Community Survey 5-year estimates, 2018-2022

Area Median Income (AMI) group	Household Income
30% AMI	\$22,204
50% AMI	\$37,007
80% AMI	\$59,211
Statewide Median Income (100% AMI)	\$74,014
Renter Median Income	\$43,102
Homeowner Median Income	\$90,311
Source: HUD income guidelines and American Community Survey 5-year estimates 2018-2022	

Why Portable, Plug-in Solar?

Homeownership and rental rate by race, 2010-2022

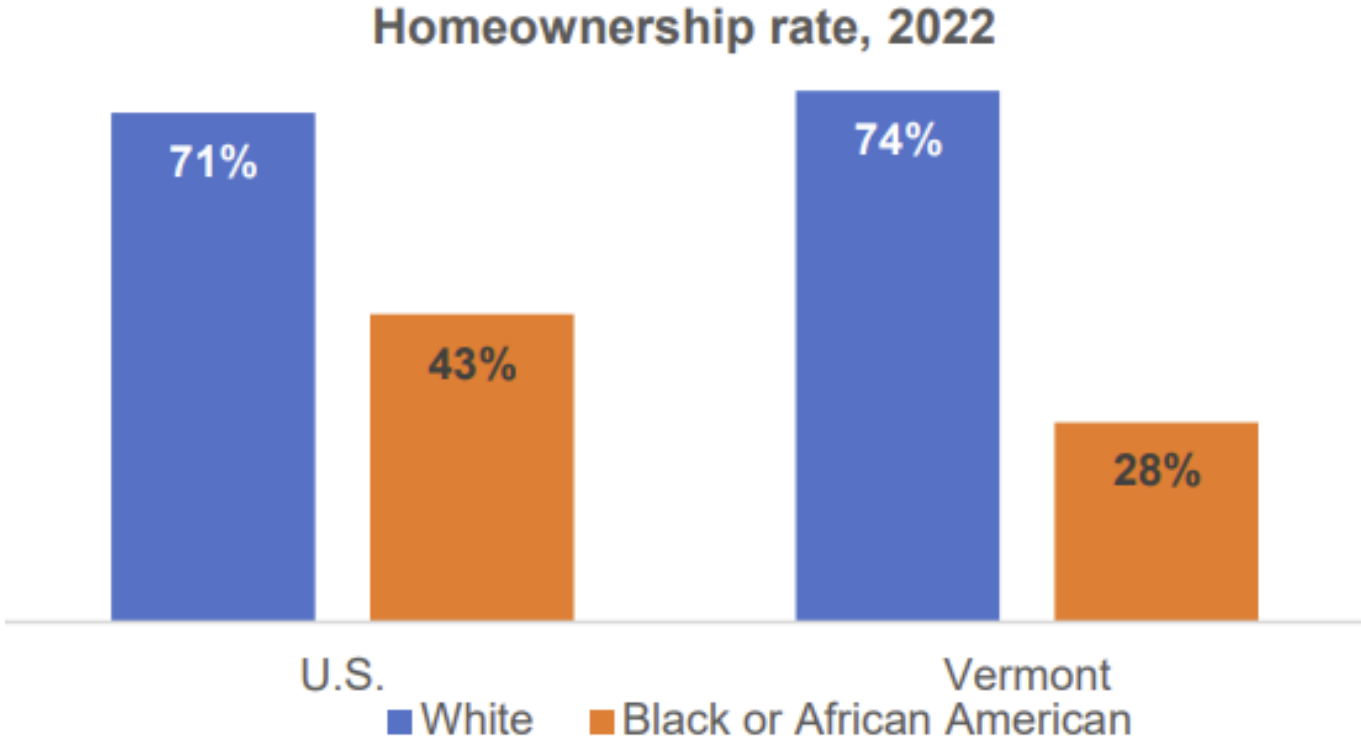


Source: U.S. Census Bureau 2022 5-Year Estimates (Tables B25003A-G) via HousingData.org



From the Vermont Housing Needs Assessment: 2025-2029

Why Portable, Plug-in Solar?



Source: U.S. Census Bureau, American Community Survey estimates, 2018-2022, from [housigndata.org](https://www.housigndata.org).

Why Portable, Plug-in Solar?

- Puts us on a path for solar accessible to people shut out today
- No “soft costs” = lower total costs
- Allows people to “try out” solar
- Smaller - complements traditional solar
- Renters can take systems with them
- Batteries = a resilience benefit as well

A Note on Touch Safety

Figure 4. Several touch-safe plug options: Wieland (left), Betteri (middle), and Neutrik powerCON 32 (right).



The Solution

Cut the red tape and let people do it

- **No applications**
- **No permits**
- **No fees**
- **No wait time**
- **No asking for permission**

Why S.202?

- Puts us on a *path* for solar accessible to people shut out today
- Embeds stringent safety standards by embedding UL 3700

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