



JANUARY 2024

WINTER 2024 - THE FUTURE OF POWER NEWSLETTER

Ground Mount Solar Tilt System at Winter Angle



The seasonally adjustable Solar Tilt Array should be adjusted 4 times per year to keep panels at a direct angle toward the sun. CBS Solar uses Bifacial Modules on all ground mount arrays to capture direct and reflected sunlight from both sides of each solar panel.

GRID-TIED BATTERY SYSTEMS OFFER MORE THAN JUST BACKUP DURING AN OUTAGE

• SELF CONSUMPTION •

Self Consumption is storing the excess energy from your daytime solar production for usage at night when the sun is not shining. Instead of sending the excess power from your solar back to the grid, you can store it for use later. This is energy you will not have to buy back from the power company.

• STAND ALONE BATTERY WITHOUT SOLAR - TIME OF USE •

Batteries can be set up to pull power from the grid and store it for night time use when the rate is higher or to use during a power outage. The batteries can be installed now and the solar can be added later.

• POST SOLAR BATTERY - AC COUPLING •

If you already have solar installed at your home, we can add a battery to that system. Depending on the inverter and solar system sizing, some or all of your solar can be connected to a battery storage system. Usually each Sonnen Core+ Battery or Tesla Power Wall II are connected to about 6 KWs of solar.

• EMERGENCY BACKUP FOR CRITICAL LOADS •

The number of batteries required will depend on the items you chose to operate and for how long. A single battery system may work well for refrigerator, TV, Internet, and a few lights and receptacles, for a day or so. The battery size will need to be increase according to how long (number of hours/days) and the size of the loads you want to run during the outage. The electrical details of your well pump and any heating appliances will need to be considered in the battery options.

• STACKABLE BATTERY STORAGE •

If you find that you would like to cover additional loads in your home, more batteries can be added or stacked later.

• 30% FEDERAL TAX CREDIT FOR BATTERY SYSTEMS •

Energy storage systems that charge from renewable energy (like Solar) qualify for the renewable energy tax credit. (Please consult with your tax professional.) <https://www.irs.gov/credits-deductions/residential-clean-energy-credit>

[30 % Federal Renewable Energy Tax Credit- Find Out More](#)

• BATTERY FINANCING •

Battery system financing is available from Michigan Saves. <https://michigansaves.org>



CBS Solar installs - Tesla Powerwall II, Sonnen Core +, and Sol Ark Battery Systems.

Contact us to discuss the options that best fit your needs and goals.

CBS COMMERCIAL SOLAR SYSTEM INSTALLATION

"PROJECT 1021 APARTMENTS"

A roof-mounted commercial solar system from CBS Solar can be scaled to meet the precise energy needs of hotels, apartment buildings, restaurants office buildings and industrial facilities. This featured system is was designed and installed at the 1021 Apartments in Muskegon, Michigan and will allow the facility to meet their exiting power needs while having control of their future energy costs.



[CLICK](#) to view all photos.

We will have video footage of this project on our website soon...

Considering Joining GLREA: Great Lakes Renewable Energy Association



Since 1991, the Great Lakes Renewable Energy Association (GLREA) has been working to expand the use and generation of renewable energy – solar, geothermal and wind energy in Michigan.

GLREA's core programs include:

- Organizing events to educate GLREA members and the public about renewable energy systems;
- Engaging the Michigan Public Service Commission to adopt regulatory policies that encourage the expansion of renewable energy.
- Working with State and Local Government officials to enact policies that support the expansion of renewable energy.

To become a Member, just go to GLREA's website by clicking here <https://www.2glrea.org/membership>.

Then scroll down and click on the yellow "Become a GLREA Member" button.

Contact:

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THE CBS SOLAR SUPER TRACKER



Follows the sun, while utilizing the power of bifacial solar panels and reflective sunlight to increase power production.

PROUD MEMBER OF:



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