



# GO

# SOLAR

## GUIDE TO GOING SOLAR

Go Solar: 260-768-7336  
[www.WellspringSolar.com](http://www.WellspringSolar.com)

**Wellspring**  
COMPONENTS, LLC



## Why Choose **Wellspring?**

Wellspring is a leader in the solar energy field, offering the latest in solar system technology. With over 25 years of experience in the renewable energy market, we apply our expertise to Grid-Tie, Off-Grid, Hybrid, and Mobile solar applications. We are also a complete solution handling design, installation and maintenance in-house. Our panels come with a 25+ year warranty to ensure that you receive all the benefits your system offers. Our team is committed to your long term success.

25+ Years Providing Michiana's  
Best Solar Solutions

Family Owned And Operated

Custom In-House Design,  
Installation, and Maintenance

6 Year Workmanship Warranty

NABCEP Associate Certified

Insured

**60+** YEARS OF COMBINED EXPERIENCE  
**2,000+** SYSTEMS INSTALLED  
**13,000+** PANELS INSTALLED



# Why Go Solar



*I'd put my money on the sun and solar energy.  
What a source of power! I hope we don't have to  
wait until oil and coal run out before we tackle that.  
~ Thomas Edison, 1931*

Considering solar? You may have one or more of these common goals in mind:



- Saving Money
- Self-Sustainability
- Environmentalism



- Backup Power
- Remote Power



- Increase Property Value
- U.S. Energy Independence



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When it comes to choosing a system, we can help you find an application to meet your needs. Next, let's explore the different solar options we offer.





# 3 Types of Solar Energy Systems

- Grid-Tie** | Supplies electricity to your home first, then will send excess electricity to your utility company to gain a bill credit.
- Off-Grid** | Works as a micro system and is completely independent from the utility company.
- Hybrid** | A system that is connected to the utility, but includes battery storage onsite in case the power goes out.

## Grid-Tie System

The Grid-Tie system works in conjunction with the utility company to supply power. During the day, solar powers the home first and sends extra energy produced back to the grid, which reduces the load for the local community. Compensation is provided for excess power produced by solar through a bill credit.



*We had a dream of greatly reducing or eliminating our monthly power bill at two of our retail locations. After doing some research, we decided to go with Wellspring Solar. The entire process was flawless and completed within our time frame. Jason did an excellent job in staying in touch with us through the entire process. The entire process was handled with professionalism. I can't imagine an easier path to going solar.*

*~ Schrock Shoppes • Shipshewana, IN*

## Choose A Grid-Tie System If...

- You are already connected to the Grid
- You are looking to increase your home value
- You want to eliminate or reduce your energy bill

**+** Return on Investment

**+** Lowest Initial Cost

**-** No Backup Power

# FREEDOM

## Off-Grid Systems

Off-Grid Systems are designed to function as a micro system that is not connected to the utility company. Excess energy produced is stored in a battery system which homeowners are able to manage.

## RV & Mobile Off-Grid

Mobile / RV systems are another form of Off-Grid Solar Systems that Wellspring specializes in. If you own an RV or are converting a van or bus (skoolie), we will help you hit the open road and experience the freedom to be Off-Grid!



**Off-Grid RV/Mobile Solar**  
3.6kw, 16x 180W Panels  
Capable of operating off-grid



*Thank you, Wellspring, for the greeat job you did installing solar panels on our motor-home. It is keeping the batteries up just as we had hoped. We appreciate the patience you gave us when you were talking about watts/amperege and the types of meters, and the number of panels you would install. Your work is immaculate and we have confidence in your work and your company.*

*~ Michael & Sherry Wiese*

## Choose An Off-Grid System If...



- You don't have access to electricity
- You don't want to rely on the grid
- You own an RV or other Mobile Dwelling and want to travel without electric hookups

**+ Independent From The Grid**

**- Highest Initial Cost**

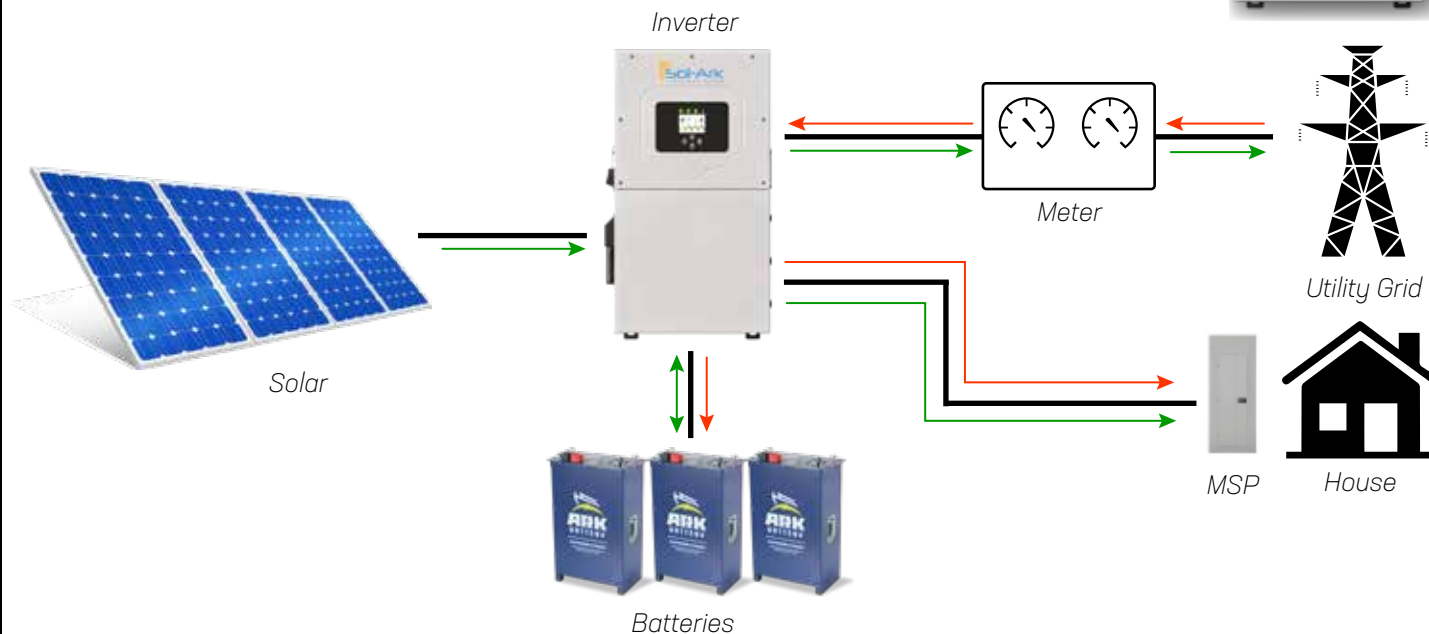
**- Lowest ROI**



# PEACE OF MIND

## Hybrid System

***Never be left in the dark again!*** Hybrid systems combine Grid-Tie and Off-Grid capabilities to run in either mode. A hybrid system allows your home or business to operate when the power goes out. During a power outage, your hybrid solar system allows for seamless power usage. This is ideal for those who have appliances or critical devices that need to stay running. Also, the battery bank provides an option to store and discharge excess electricity daily. Depending on your energy needs, upfront cost will be increased due to battery storage.



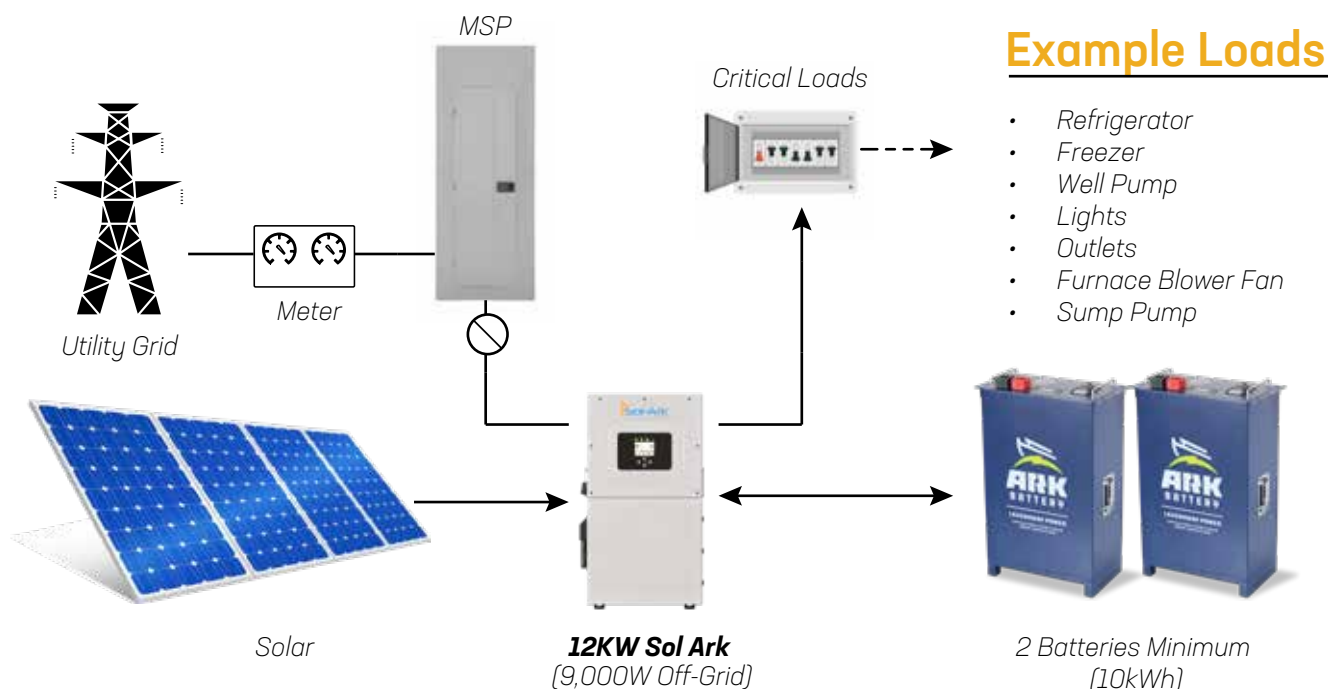
## Choose A Hybrid System If...



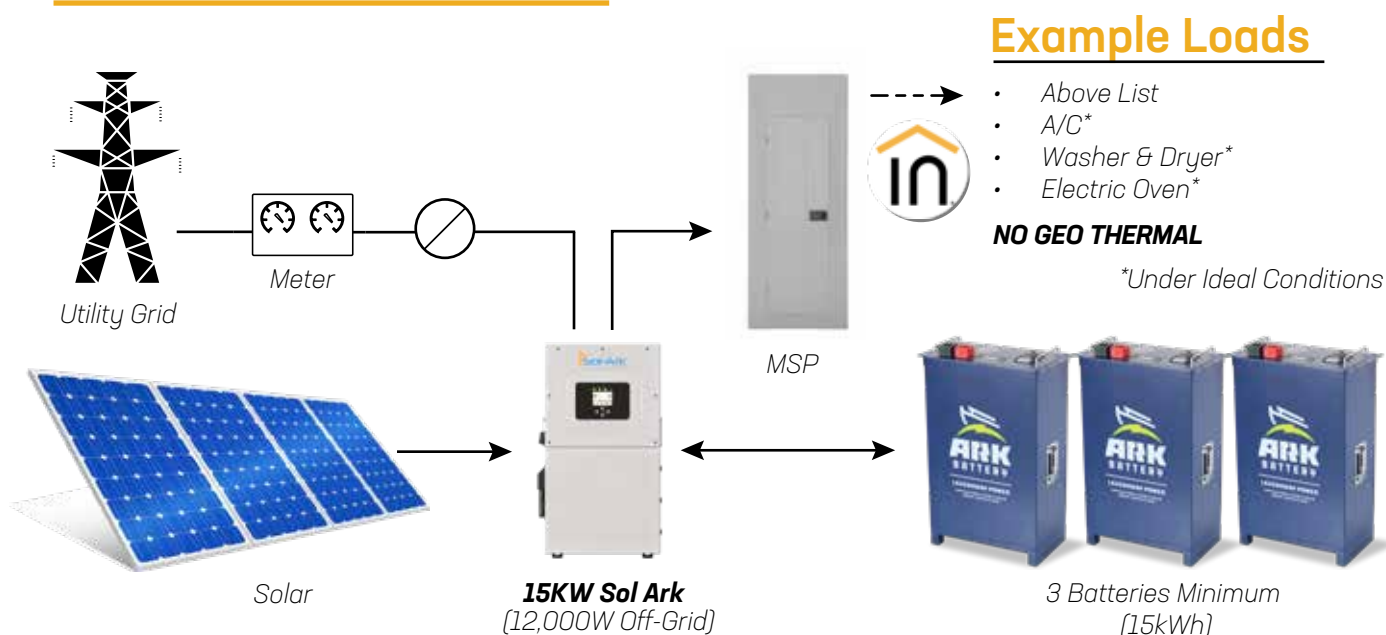
- You want the benefits of a Grid-Tie System
- You want to be independent from the Utility if it goes out
- You want to be able to store your excess electricity

**+ Capable to operate without utility**   **+/- Medium Initial Cost**   **+/- Medium ROI**

# HYBRID SYSTEMS WHEN THE POWER GOES OUT



<b>Watt (W)</b>	<b>Kilowatt (kW)</b>	<b>Kilowatt-hour (kWh)</b>	<b>Ex: Clothes Dryer</b>	<b>Ex: Fridge/Freezer</b>
Immediate Power Use	1W = .001kW	1,000W or 1kW used for 1 Hour, Continuous	Single Use = ~3kWh	A 24hr Day = 2kWh



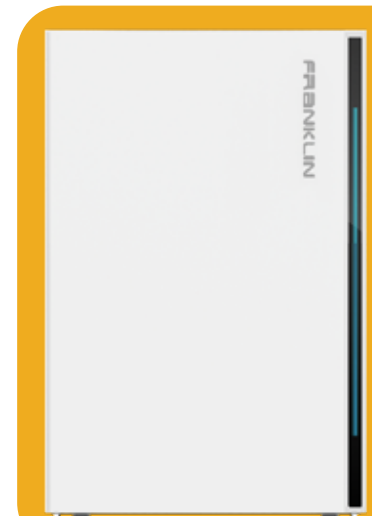
# COMPONENTS OF A SOLAR SYSTEM

## Batteries

For Off-Grid and Hybrid Applications



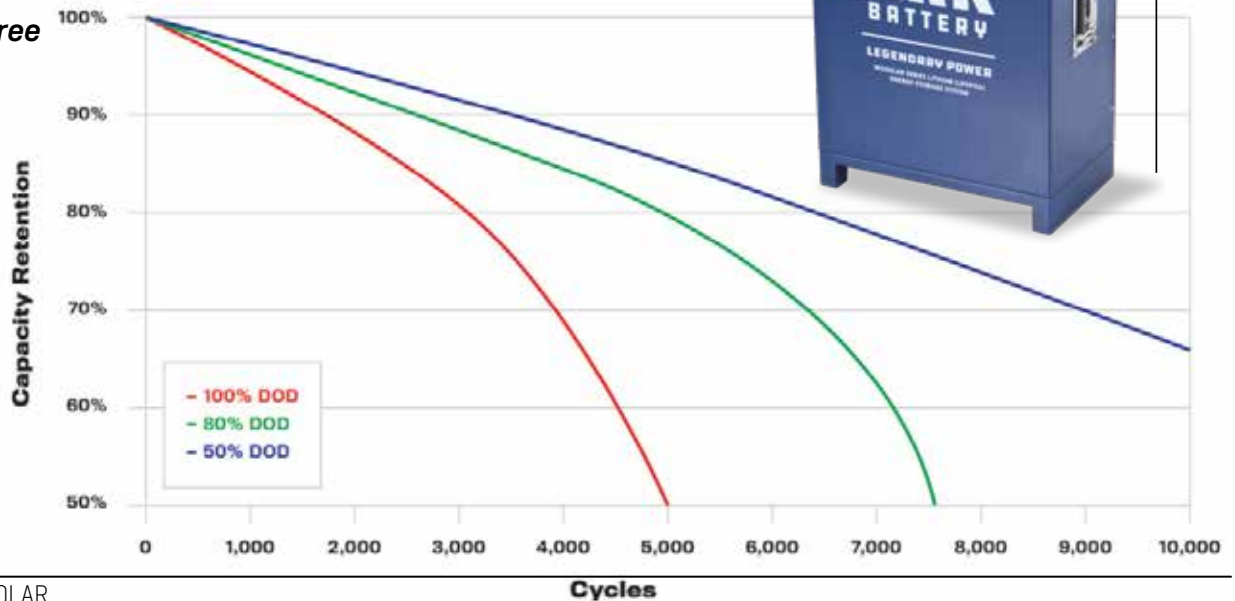
ARK BATTERY  
HOMEGRID  
FRANKLIN



Lithium Ion (LiFePO4)

Up to 12 Year Warranties

Maintenance Free





# Solar Panels

Solar Panels or Solar Modules are made up of individual cells that produce energy. These cells are wired together in a series to make up the solar panel. The more cells that a panel has, the higher the output will be. Most of our panels are made in North America and all come with a **25+ YEAR WARRANTY**.

## Roof Mount

### CROSSROADS SOLAR 325W-380W



High Quality  
Monocrystalline Panels  
Option of all black panels  
Made in South Bend, IN  
Great Company Mission



## Flat Roof Mount



## Ground Mount



## BiFacial Solar Panels

Absorb light from both sides of the panel. This means they absorb direct sunlight through the front of the panel and reflected light from the back of the panel.

- Provide Higher Efficiency
- Better aesthetis with transparent sheets and glass
- Capture up to 25% more solar power

# Inverters

## What is an inverter?

The inverter is the hardest working component of the solar system. An inverter has several functions including:

- Converting DC to AC Power
- Maximizing Power Output
- Reporting on Power Production
- Ensuring Safe System Operation



## String Inverter

***\*\*Perfect for Non-Shaded Areas\*\****

Solar panels are arranged into groups connected by “Strings,” hence their name. Multiple strings of panels connect to a single inverter, which perform the various tasks above.



## APsystems Microinverters

***\*\*Perfect for Shaded Areas\*\****

Microinverters ensure that the maximum energy is produced out of each panel. Microinverters solve system performance problems when panels get compromised by shade or snow.



## Hybrid Inverter

***\*\*Perfect for Back-up\*\****

Works as Off-Grid or Grid-Tie. This is the ultimate way to go to have a battery backup added to a grid connected solar system.



## Monitoring Systems

Wellspring's systems have real time monitoring to ensure that the system is always operating at its optimal level!

# Cost & Incentives

THERE IS NO BETTER TIME TO GO SOLAR!

## 3 REASONS YOU CAN AFFORD TO GO SOLAR

- 1** YOU ARE ALREADY MAKING PAYMENTS TO YOUR UTILITY BILL EVERY MONTH
- 2** THERE ARE FEDERAL TAX INCENTIVES OF 30%
- 3** SOLAR IS AN INVESTMENT TO YOUR PROPERTY AND FUTURE

## Great Financing Options



Sunlight Financial®

*EnerBankUSA®*

### Federal Tax Incentive Program

Take advantage of the FTC. The Federal Tax Credit is 30% of the project's total value for both home owners and businesses.

### Other Incentives Available

There are other incentives to help offset the cost of a solar project. Talk to our consultants so we can help you get the best local and federal programs or grants that you may be eligible for!

- USDA Rural Energy for America Program (REAP)
- Solar Renewable Energy Credits (SRECs)
- Modified Accelerated Cost Recovery Systems (Depreciation, MACRS)

## ARE YOU READY TO GO SOLAR?

### 6 STEPS TO GOING SOLAR

#### 1 CUSTOM EVALUATION AND QUOTE

Schedule an appointment with our solar consultants for a custom quote.

#### 2 SIGNED CONTRACT

Finalize financing or your cash payment plan.

#### 3 ENGINEER SITE VISIT

Meet the Field Engineer to discuss preparation for construction.

#### 4 PAPERWORK & PERMITS

We'll take care of all the paperwork, and permits.

#### 5 CONSTRUCTION

#### 6 PRODUCE YOUR OWN ELECTRICITY





## CLEAN ENERGY FOR THE NEXT GENERATION

**Wellspring**  
COMPONENTS, LLC  
Real Solutions • Real Value



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@wellspringcomponents



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260-768-7336

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217-208-2498

Michigan: Braden Electric & Solar LLC

9668 Valley Hwy. • Vermontville, MI 49096  
269-275-8463

3 LOCATIONS SERVICING MOST OF  
INDIANA, ILLINOIS AND MICHIGAN

**Wellspringsolar.com**