

Whole Sun
DESIGNS INC.

HOMEGROWN SOLAR

We take great pride in our work while maintaining the entire process from design through engineering, permitting, utility interconnection, installation, and activation.



COVID-19 Response



*Admin team working remotely.
Install crew working safely, on the
outside of homes as much as possible.
Team divided into pods.
Health checks before interacting with others
Wearing masks and social distancing.*

Whole Sun Designs Inc.



Founded in 2011

Headquartered in Bloomington since 2017

Triple bottom line philosophy

We prioritize American-made equipment

Transitioning to employee ownership

Licensed, bonded, and insured



Whole Sun Designs Team

Administration

- Ryan Zaricki - Founder and President
 - ryanz@wholesundesigns.com
 - 812-783-2283
- Alex Jorck - VP of Operations
 - alex@wholesundesigns.com
- Robert Nix - Solar Guide
 - robert@wholesundesigns.com
 - 812-345-6343
- Alison Zook - Business Manager
 - alison@wholesundesigns.com

Installation

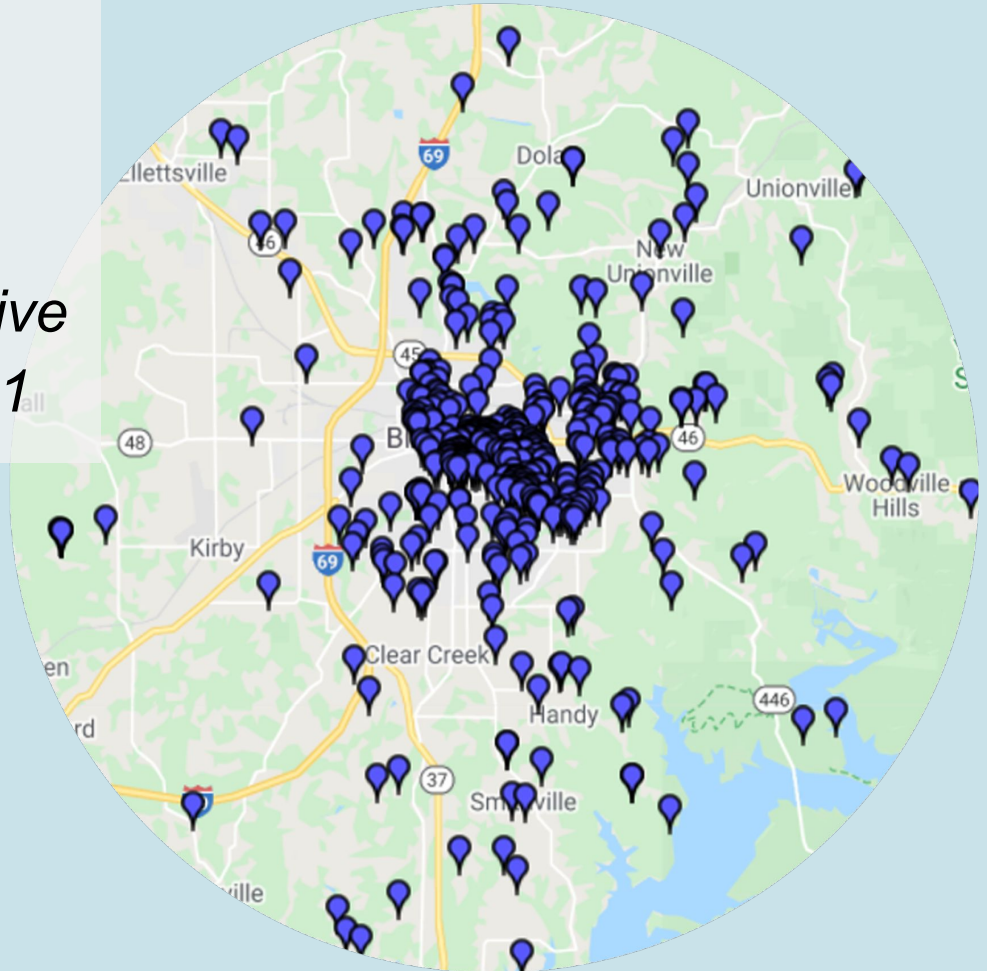
- Nathan Perney - Project Manager
 - nathan@wholesundesigns.com
 - 812-454-3685
- Cody Peerman
- Reinaldo Cassani
- Ben Perney



Our Work

*More than 450 Installs
Totalling over 3.5 MW*

*Solarize Bloomington Initiative
Installer Partner 2016-2021*



Licensing & Certification

North American Board of Certified Energy Practitioners

Certified Solar PV Installer

Two Associate Installers

Technical Sales



PV Installation
Professional

In-House Contractor Licenses

Master Electrician

Residential Contractor

BPI Building Analyst

Heating and Air Specialist

HVAC - EPA Certified



Why WSD?

- Locally Owned & Operated - *your investment stays in the community*
- Expertise - *entire process is handled in house by WSD employees*
- Certified & Skilled Crew Living In Bloomington
- 10 Year Installation Warranty
- Licensed, Bonded, and Insured
- Prioritizing American-Made & Locally Sourced Components
- Solarize Bloomington Initiative Installation Partner 2016 - 2021
- Comprehensive System manual
- Surge Protectors on AC and DC side
- Built-in RGM for SRECs
- Rapid Shutdown Compliant



Associations



INDIANA
BUILDERS
ASSOCIATION



Indiana **DG**

solar**edge**





There Are LOTS Of Options!



Our Process

Step 1 - Getting Started

Let's talk, establish your goals, and give you a estimate with options.

Step 2 - Remote Modeling & Design

We'll dig into your specifics & design a system using best in class technology.

Step 3 - Proposal & Agreement

We'll schedule a time to go over the design & bid virtually, you choose the one that's right for you and we sign a contract.

Step 4 - Engineering Survey

Our engineer will come to your home to gather on site data.

Step 5 - Installation

We get utility & permit approvals & install your solar array.

Step 6 - System Manual

We provide you with a comprehensive system manual and make sure you understand your new system.

Step 7 - Energy Independence!

Savings start rolling in.



Our Preferred Solar Equipment



Panasonic Panels = High Efficiency



Trusted brand
Great performance in high temps
Top warranty in the industry

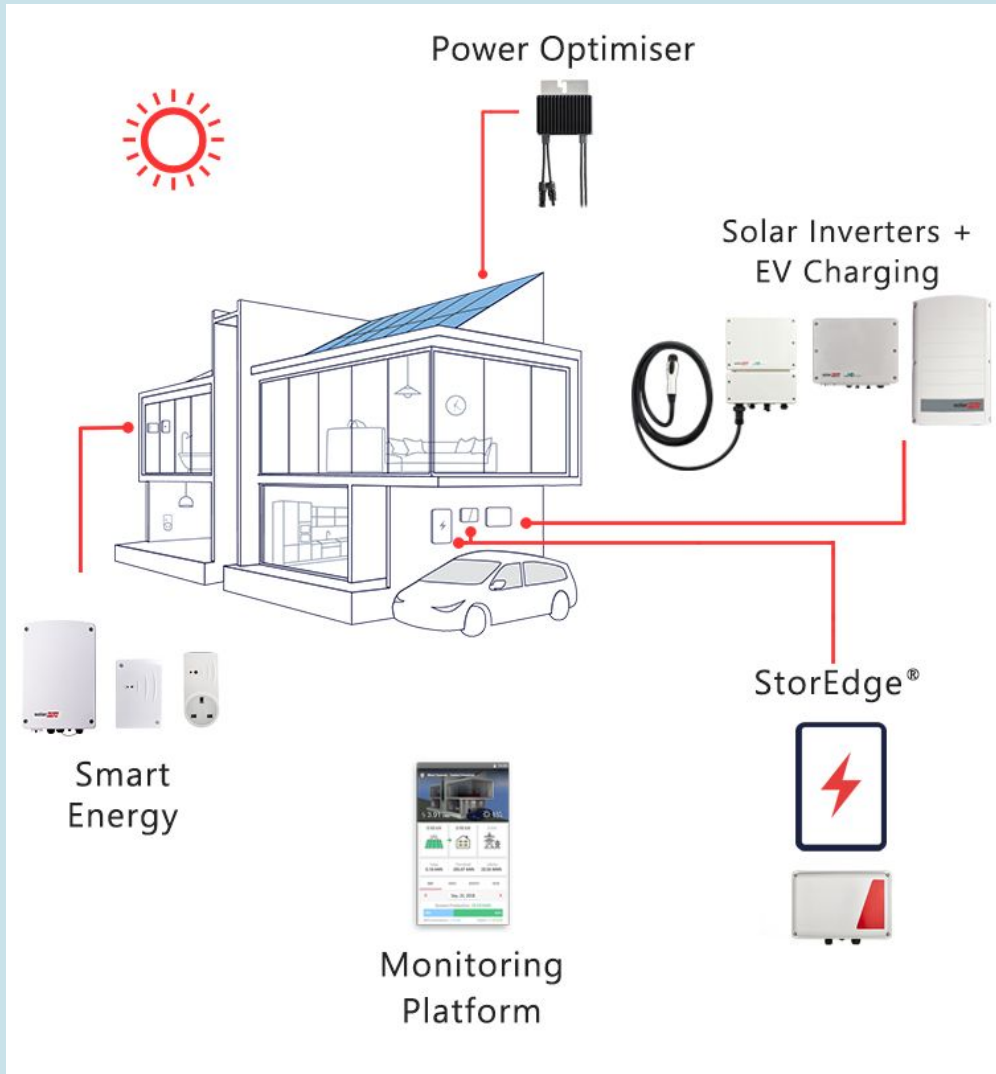
Panasonic



EverVolt™
ELITE INSTALLER



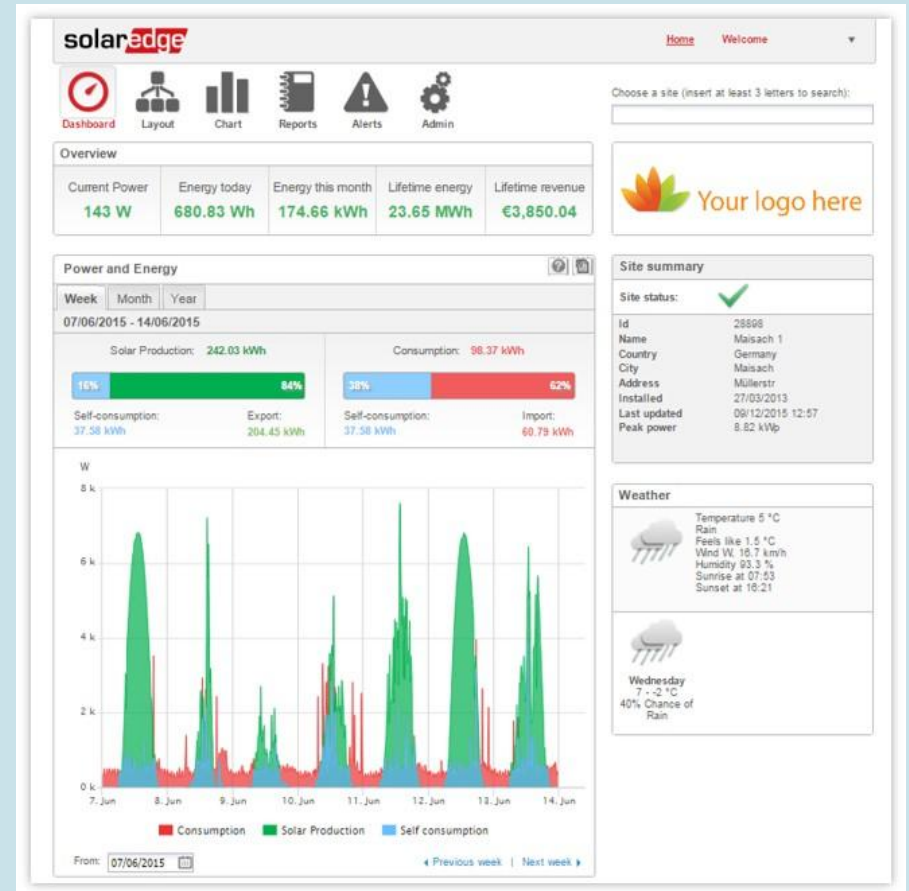
Solaredge Inverter/Optimizers



350 system fleet
New HD wave model
Integrated RGM for SRECs
EV charger & battery options
Easy to build for expansion

solaredge

Solaredge Online Monitoring



Industry leader

Panel by panel information

Customizable history reports

Production & consumption data

Easy operations & maintenance

Racking



*Rated for 100 mph winds
Industry leading wire management
All attachments flashed and sealed
25 year warranty*

SnapNrack™
Solar Mounting Solutions

Battery Storage Systems



Tesla Powerwall
13.5 kWh



Panasonic EverVolt
Coming soon!



LG Chem
9.3 kWh

Warranties

Component	Duration
Whole Sun Designs Inc.	10 Year Installation Services
Panasonic Panels	25 Years
SolarEdge Optimizers	25 Years
SolarEdge Inverter	12 Years (can be extended to 25)
Tesla Powerwall	10 Year
LG Chem	10 Year
Racking	25 Years
Surge Protectors	5 Years



Warranties & Data Sheets

SolarEdge

Panasonic

SnapNrack

Tesla

LG Chem

- [Energy Hub Inverter](#)

- [Pan HIT N340 Datasheet](#)

- [Ultra Rail UR-40 Rail Datasheet](#)

- [Powerwall Datasheet](#)

- [LG Chem RESU10H Datasheet](#)

- [HDWave Inverter Datasheet](#)

- [General Warranty](#)

- [General Warranty](#)

- [General Warranty](#)

- [General Warranty](#)

- [General Warranty](#)

[WSD 10 Year Warranty](#)

All workmanship done by WSD on the system falls under the 10yr warranty. This covers all roof penetrations and warranty maintenance visits.

Insurance

Insurance Company	EMC Insurance
Insurance Broker	Tri-State Insurance Group
Liability Limit	\$1,000,000 / 3,000,000
Policy Expiration	01/11/2022

ACORD DATE (MM/DD/YYYY)
12/16/2019

CERTIFICATE OF LIABILITY INSURANCE

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION is WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

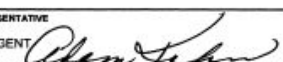
PRODUCER TRI-STATE INSURANCE GROUP LLC 981A S KENMORE DRIVE EVANSVILLE, IN 47714	CONTACT PHONE: (JAC, No. Ext): 812 475 9595 FAX: 812 485 2030 E-MAIL: service@tristateinsgroup.com ADDRESS:
INSURED WHOLE SUN DESIGNS, INC P O BOX 1886 BLOOMINGTON, IN 47402	INSURER(S) AFFORDING COVERAGE INSURER A: EMC INSURANCE INSURER B: ACCIDENT FUND INS CO OF AMERICA INSURER C: INSURER D: INSURER E: INSURER F:

COVERAGES **CERTIFICATE NUMBER:** **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSTR	TYPE OF INSURANCE	AGG. SUBR	POLICY NUMBER	POLICY EFF	POLICY EXP	LIMITS
LTB		IND. WVD		(MM/DD/YYYY)	(MM/DD/YYYY)	
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR <input checked="" type="checkbox"/> \$1,000 PD DEDUCTIBLE GEN'L AGGREGATE LIMIT APPLIES PER: <input checked="" type="checkbox"/> POLICY <input type="checkbox"/> PROJ. <input type="checkbox"/> LOC <input type="checkbox"/> OTHER		5D9 86 42 20	01/11/2019	01/11/2020	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ex. occupancies) \$ 500,000 MED EXP (Any one person) \$ 10,000 PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 3,000,000 PRODUCTS - COMP/DP AGG \$ 3,000,000
A	AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> OWNED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> HIRED AUTOS ONLY <input checked="" type="checkbox"/> NON-OWNED AUTOS ONLY		5E9 86 42 20	01/11/2019	01/11/2020	COMBINED SINGLE LIMIT (Ex. accident) \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$
	<input type="checkbox"/> UMBRELLA LIAB <input type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE <input type="checkbox"/> DED <input type="checkbox"/> RETENTION \$					EACH OCCURRENCE \$ AGGREGATE \$ \$
B	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> N/A (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below		ARP12001502300	01/13/2019	01/13/2020	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTHER E.L. EACH ACCIDENT \$ 500,000 E.L. DISEASE - EA EMPLOYEE \$ 500,000 E.L. DISEASE - POLICY LIMIT \$ 500,000
A	INLAND MARINE		5C9 86 42 20	01/11/2019	01/11/2020	SEE BFL /FW

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)
 RENTED/LEASED EQUIPMENT - \$100,000 WITH \$500 DED

CERTIFICATE HOLDER FOR INFORMATIONAL ONLY	CANCELLATION SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS. AUTHORIZED REPRESENTATIVE ADAM KAHN, AGENT 
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ACORD 25 (2016/03) The ACORD name and logo are registered marks of ACORD



100% Financing With No Money Down - Solar PV Combo Loan

Solar Electric System Loans from Clean Energy Credit Union

With our solar electric system loans, you can harness the power of the sun with no money down. [Click here to see our rates and terms.](#)

When financing your new solar electric system, you can choose one or both* of these loan types:

- A 12– or 18–month loan that covers your solar tax credit (i.e. the Section 48D federal income tax credit that’s available for new residential solar electric systems at up to 26% of the eligible project cost in 2020 and up to 22% in 2021).
- A 12– or 15–year, fixed rate loan on the remaining portion of your solar electric system cost (i.e. up to 74% of the eligible project cost in 2020 and up to 78% in 2021).

*Combining these loan types together is called a solar electric system “combo loan.” [Learn more about how combo loans work.](#)

By offering up to 100% financing with no money down, our solar electric system loans allow you to swap your monthly electric bill for a monthly loan payment on a solar electric system — one which you would later own free-and-clear at the end of the loan repayment period.

Loan Benefits

- Secured by the solar equipment that's installed, not by the equity in your home
- Loan amounts up to \$70,000 per loan
- Fixed interest rates
- No prepayment penalties
- Automatic electronic payments

Additional Information

- [Solar PV Combo Loan Description](#)
- [Flyer about Clean Energy Credit Union](#)
- [Solar PV System Loan Instructions](#)



Solar Proposal Example

5/7/2019



Whole Sun Designs Inc.
N. Ryan Zaricki, President
6873 S. Old State Road 37
Bloomington, IN
c: (812) 783-2283
o: (812) 550-1251
ryanz@wholesundesigns.com

PHOTOVOLTAIC SYSTEM QUOTE

Theo & Amy Wu
2215 W Bloomfield Rd.
Bloomington, IN 47403
(812) 391-9038
twu662@gmail.com

SITE SURVEY ANALYSIS:

A site survey was performed for this site on 5/6/19. The electrical usage of the home is approximately 13,060 kWh annually. The shingle roof of the garage is pitched at 14°, oriented 50° west of due south, and is one story. The shingle roof of the house (in the back) is pitched at 32°, oriented 50° west of due south, and is one story. There is shading to the east, but should not be a major issue. Electrical conduit will be routed over the roof edge. The inverter will be mounted outside, adjacent to the main utility meter. Electrical integration will be with a tap at the main meter. Communications to the inverter will be hard-wired.

SYSTEM INCLUDES:

- REC or Panasonic solar modules with 25 year production warranty, at 80% and 90.5% production.
- SolarEdge central inverters and power optimizers with 12 and 25 year manufacturer's warranties, respectively, and online system monitoring.
- SnapNrack racking system with flashings, rails, clamps, L-feet, and stainless steel hardware for flush mounting.
- All conduit, wiring, combiner boxes, disconnects, production meter, etc. required for proper operation.
- All applicable permits and application fees.
- Turnkey installation.
- Ten year Installation Services Warranty by Whole Sun Designs Inc.
- SREC Credit Assistance.
- System Manual.

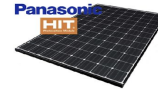
SYSTEM DESCRIPTION:

Option A: The system will consist of (27) Panasonic 325 watt solar modules (VBHN325SA17) with one SolarEdge (SE7600H-US) HD Wave inverter and SolarEdge (P400) optimizers, for a total of 8775 watts (8.8 kW DC). This array will produce approximately 10,500 kWh annually, or 80% of the home's current annual usage. This equates to ~1200 kWh/kW.

Option B: The system will consist of (28) REC 285 watt solar modules (REC285TP2) or equivalent with one SolarEdge (SE7600H-US) HD Wave inverter and SolarEdge (P320) optimizers, for a total of 7980 watts (8.0 kW DC). This array will produce approximately 9600 kWh annually, or 74% of the home's current annual usage. This equates to ~1200 kWh/kW.

	Option A	Option B
Total System Cost before 10% Solarize Discount	\$24,650.00	\$20,650.00
Total System Cost after 10% Solarize Discount	\$22,185.00	\$18,585.00
Cost per Watt **	\$2.53	\$2.33
Minus 30% Federal Tax Credit **	\$6,655.50	\$5,575.50
Net Cost after Rebates **	\$15,529.50	\$13,009.50

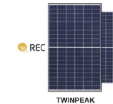
** Assumes 10% Solarize Discount



Panasonic Solar Panels



SolarEdge Inverter and Optimizers



REC Solar Panels

Please Note: A discount of 0.4% per signed contract, up to a maximum of 10%, will be applied to the Total System Cost for each participant of the Solarize Bloomington Initiative. This discount will be applied to the final payment. The total discount amount will be announced by May 13, 2019, via email.

NOTES:

- 50% of the Total System Cost is due upon contract signing. The remainder of the Total System Cost is due upon completion of inspection, commissioning, and close out of the system.
- All applicable steps for the interconnection application required by Duke Energy will be completed before the start of the system installation.
- Customer is responsible for Federal Tax Credits, Utility incentives, Solar Renewable Energy Certificate (SREC) Credits, Property Tax Exemptions, and any other incentives applicable to the system. The Customer should consult their own tax adviser regarding incentives. Whole Sun Designs Inc. will assist with any information required for these incentives.
- Unseen and unusual costs incurred during installation may be billed as an extra on the final bill; however Whole Sun Designs Inc. will consult the Customer if any such cases arise.
- This bid is valid through May 10, 2019.

In signing this document by both parties involved and upon receipt of initial payment by Whole Sun Designs Inc., this becomes a binding contract.

System Description _____ Payment Received _____

Customer Signature _____ Date _____

Printed Name _____

Whole Sun Designs Inc. Signature _____ Date _____

Printed Name _____



Thanks For Considering Us!!



Robert Nix, Solar Guide
robert@wholesundesigns.com

Ryan Zaricki, President
ryanz@wholesundesigns.com

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Bloomington, IN 47403

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info@wholesundesigns.com

