



PHOTOVOLTAIC SITE SURVEY

Home Owner Information

First Name: _____
Last Name: _____
Address: _____
City, Zip: _____

AHJ Name

AHJ Name: _____
Utility Name: _____

Contractor Information

Company Name: _____
Phone: _____
Address: _____
City, Zip: _____

License Numbers: _____

Project Team Name

Team Name: _____

Roof & Structural Information

Roof Material:

Please select the appropriate roof material from the options below

<input type="checkbox"/> Asphalt Shingles	<input type="checkbox"/> Wood Shake
<input type="checkbox"/> Composite Roof	<input type="checkbox"/> Standing Seam Metal
<input type="checkbox"/> Corrugated Metal	<input type="checkbox"/> Clay S-Tile
<input type="checkbox"/> Flat Tile	<input type="checkbox"/> Rubber Membrane
<input type="checkbox"/> W- Tile	<input type="checkbox"/> Other: _____
<input type="checkbox"/> Composite Shingle	

Roof Notes: _____

Structure Type:

Please select the appropriate Structure Type from the options below

<input type="checkbox"/> Truss (Wood)	<input type="checkbox"/> Knee Wall + Collar Tie
<input type="checkbox"/> Metal Beam Support	<input type="checkbox"/> Collar Tie (Wood)
<input type="checkbox"/> Interior bearing wall (Wood)	<input type="checkbox"/> Single Span Rafter (Wood)
<input type="checkbox"/> Purlins	<input type="checkbox"/> Wood Supported Strut
<input type="checkbox"/> Knee Wall	<input type="checkbox"/> Wood Beam Supported

Rafter Size:

☐ 2x4 ☐ 2x6 ☐ 2x8 ☐ 2x10
☐ Other: _____

Rafter Span (Ft.): _____

For multiple mounting planes, use the table on page 2.

Rafter Spacing:

Please select the typical distance between each rafter (in Inch)

☐ 12" ☐ 14" ☐ 16" ☐ 24" ☐ 48"
☐ Other: _____

Application Type:

Please select the appropriate racking application types

☐ Tilt-Up ☐ Flush-Mount ☐ Intergrated Racking
☐ Flat Roof ☐ Ground Mount

Attachment Type:

☐ Flashing L-Foot ☐ Tile Hook ☐ Standoff
☐ Standing Seam Clamp ☐ Corrubracket
☐ Other: _____

Racking

Racking Mftr: _____

Module & Roof Layout

Module Mftr: _____ Module Model #: _____ Total Module: _____

Array	1	2	3	4	5	6
Module Quantity						
Azimuth °						
Pitch or Tilt						
Shading (Optional)						
Mounting Plane # (From Sketch)						
Rafting Span(S) in Feet (List as Necessary)						

Inverter Mftr. & Model #	MPPT	# of Strings	Modules/ String	# of Strings	Modules/ String	# of Strings	Modules/ String	# of Strings	Modules/ String	# of Strings	Modules/ String	# of Strings	Modules/ String
	1												
	2												
	1												
	2												
	1												
	2												
	1												
	2												

Please list plan for stringing modules under each array. Indicate if arrays are to be combined on a given string.

IMPORTANT NOTE: If the next selection below (String Design) is "Designer's Discretion" then the inverter table above does NOT need to be filled out

Inverter Information

*String Design:

Do you prefer to enter the stringing specifications or rely on the designer's discretion?

☐ Yes ☐ Designer's Discretion

Type of Inverter(s) used:

☐ String Inverter-Transformer ☐ String Inverter-Transformerless
☐ DC Optimizer Inverter ☐ Micro-Inverter
☐ Other: _____

Inverter Location:

Please select intended location of inverter and electrical equipment

1 ☐ Exterior ☐ Interior

2 ☐ Basement ☐ Garage ☐ Barn
☐ Pole Mounted ☐ Main Floor
☐ Other: _____

3 ☐ North ☐ South ☐ East ☐ West
☐ NE ☐ NW ☐ SE ☐ SW

Inverter DC Disconnect Option (If Applicable):

☐ Utilize Integrated DC Disconnect ☐ Utilize Standalone DC Disconnect (Rooftop or Ground Array)

Standalone DC Disconnect Location (If Used):

1	<input type="checkbox"/>	Exterior	<input type="checkbox"/>	Interior		
	<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>	Barn
2	<input type="checkbox"/>	Basement	<input type="checkbox"/>	Garage	<input type="checkbox"/>	Main Floor
	<input type="checkbox"/>	Pole Mounted	<input type="checkbox"/>		<input type="checkbox"/>	Roof Top
	<input type="checkbox"/>	Ground Array	<input type="checkbox"/>	Other:		
3	<input type="checkbox"/>	North	<input type="checkbox"/>	South	<input type="checkbox"/>	East
	<input type="checkbox"/>	NE	<input type="checkbox"/>	NW	<input type="checkbox"/>	SE
					<input type="checkbox"/>	West
					<input type="checkbox"/>	SW

Electrical Information**Existing Electrical Grounding**

Current or Original Bond of existing electrical system?

Please select from the options below

<input type="checkbox"/>	Ground Rod	<input type="checkbox"/>	Ufer	<input type="checkbox"/>	Cold Water Pipe
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Meter Main Combo?

<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
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Main Electrical Panel Ratings:

Write the Bus and Main circuit breaker rating.

Bus Rating (amps): _____

Main Breaker Rating (amps): _____

Main Electrical Panel Location:

Please select where the Main Electrical Panel is Located.

1	<input type="checkbox"/>	Exterior	<input type="checkbox"/>	Interior	<input type="checkbox"/>	Main Floor
2	<input type="checkbox"/>	Basement	<input type="checkbox"/>	Garage	<input type="checkbox"/>	Barn
	<input type="checkbox"/>	Pole Mounted	<input type="checkbox"/>	Other:		
3	<input type="checkbox"/>	North	<input type="checkbox"/>	South	<input type="checkbox"/>	East
	<input type="checkbox"/>	NE	<input type="checkbox"/>	NW	<input type="checkbox"/>	SE
					<input type="checkbox"/>	West
					<input type="checkbox"/>	SW

Service Voltage at Interconnection:

Write The appropriate service voltage at the interconnection.

<input type="checkbox"/>	240v 3-wire Single Phase
<input type="checkbox"/>	240v 2-wire No Neutral Single Phase

Existing Meter Location:

1	<input type="checkbox"/>	Exterior	<input type="checkbox"/>	Interior		
2	<input type="checkbox"/>	Meter-Main (MEP Location)	<input type="checkbox"/>	Pole Mounted		
	<input type="checkbox"/>	Other:				
3	<input type="checkbox"/>	North	<input type="checkbox"/>	South	<input type="checkbox"/>	East
	<input type="checkbox"/>	NE	<input type="checkbox"/>	NW	<input type="checkbox"/>	SE
					<input type="checkbox"/>	West
					<input type="checkbox"/>	SW

Utility Entrance

<input type="checkbox"/>	Overhead	<input type="checkbox"/>	Under Ground
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***Location of the Pole in relation to the house**

* for pole mounted utility meters and main electrical panels

Cardinal Direction: _____

Distance: _____

PV Revenue Meter:

Is there a PV Revenue Meter? The Production meter measures and tracks the production for the solar array

<input type="checkbox"/>	Yes	<input type="checkbox"/>	NO (Net Meter)
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Location of PV Meter:

Select the location of the PV meter in reference to the AC disconnect.

<input type="checkbox"/>	Between inverter and disconnect
<input type="checkbox"/>	Between disconnect and point of interconnection (MEP, Tap, Etc)

Wire Transition Enclosure:

Please select the appropriate wire transition enclosure between modules and inverter

<input type="checkbox"/>	Soladeck	<input type="checkbox"/>	Junction Box	<input type="checkbox"/>	Combiner Box
<input type="checkbox"/>	None				

Utility AC Disconnect:

Typically the utility requires a lockable Utility disconnect for the AC output in case of an emergency or service.

<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
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Combining AC Circuits:

Select how to combine the inverter(s) AC outputs. Multiple inverters of micros only.

<input type="checkbox"/>	Soladeck (Rooftop)	<input type="checkbox"/>	(N) AC Panel Board
<input type="checkbox"/>	Existing Subpanel		

Utility Disconnect Type:

Typically the utility requires a Utility disconnect for the AC output in case of emergency or service.

<input type="checkbox"/>	(N)ew Non-Fused	<input type="checkbox"/>	(N)ew Fused
<input type="checkbox"/>	(N)ew Breaker Box		

1 ☐ Exterior ☐ Interior ☐ Next to Utility Meter

2 ☐ Basement ☐ Garage ☐ Barn
☐ Pole mounted ☐ Main Floor
☐ Other: _____

3 ☐ North ☐ South ☐ East ☐ West
☐ NE ☐ NW ☐ SE ☐ SW

Please select the appropriate interconnection strategy from the choices below: Panel upgrades or choose "Backfeed Breaker".

☐ Backfeed Breaker ☐ Tap

☐ Derate Main Breaker

Please select the electrical location the tap will occur

<input type="checkbox"/>	Existing Main Electrical Panel (MEP)	<input type="checkbox"/>	Automatic Transfer Switch (ATS)
<input type="checkbox"/>	Existing Meter	<input type="checkbox"/>	New Tap Box
<input type="checkbox"/>	New Sub-Panel	<input type="checkbox"/>	Existing Sub-Panel
<input type="checkbox"/>	Renewable Meter Adapter (RMA) at meter	<input type="checkbox"/>	New Main Electrical Panel Upgrade

☐ Yes ☐ No

Please use text area to describe any special notes or requirements about project or system.

<input type="checkbox"/>	Main Service Panel Location
<input type="checkbox"/>	Close-up Main Service Panel Label
<input type="checkbox"/>	Close-up of Main Breaker
<input type="checkbox"/>	Close-up of Main Breaker Label
<input type="checkbox"/>	Sub-Panel Main Breaker
<input type="checkbox"/>	Sub-Panel Location (If Used)
<input type="checkbox"/>	Useable Subpanel Location
<input type="checkbox"/>	Close-up of Sub-Panel Breaker Label
<input type="checkbox"/>	Array Location(s) (If Possible)
<input type="checkbox"/>	Entire Roof with Obstructions (If Possible)
<input type="checkbox"/>	Ground Mount Location
<input type="checkbox"/>	Rafter and Rafter Supports & Spacing (Show Tape Measure in photo if possible)
<input type="checkbox"/>	House from street (For Front View on Plan Set)
<input type="checkbox"/>	Proposed inverter location (Zoomed out view)
<input type="checkbox"/>	Attic Space- Show existing roof framing/ Rafters for each roof structure (Show tape measure)
<input type="checkbox"/>	Utility Meter Location (Zoomed out view)

Sales Sketch:

A rough sketch or drawing of the solar panel layout on the project residence or site including roof measurements where possible and plan for equipment locations from the provided key. This sketch will be used to create the base site plan and array layout.

I	DC/AC Inverter
PNL	AC Panelboard
S	AC Disconnect
DSW	DC Disconnect
M1	Module #

UM	Utility Meter
v	PV Revenue Meter
MEP	Main Electrical Panel
JB	Junction Box
X	Roof Obstruction

