

# PV Powersite

## System Selection

PV Powersite is designed for small commercial and residential installations, both ground and roof mount. To begin, select the system type you would like to design. At this time the FS System, PvMax, and Flush Mount tools are ready for use. If needed, hover mouse over each system for a brief description.



Select your system to generate a parts list, drawings, and structural acceptance letter.



FS System



PvMax



Carport



PvMini



Windsafe



Flush Mount

Light weight and fast-to-install. This aluminum ground mount system is available online in two configurations: rrammed foundation posts (requires soil testing and heavy machinery for installation) or buried concrete pillars, both with two vertical (2V) modules, string size determined by user.

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## Specifications Form

Next, enter your project information. Be sure to follow the field order starting with module cell type, tabing to the next field. Fields further in the application may be dependant upon prior selections. The fields are grouped by:

- **Module Data:** Information based on type of module you have selected for a project.
- **Rack Preferences:** Project specific for site location. Number of columns based on project size. For an FS System used in this example, one rack of 2V x 12 will be designed. This means two modules in portrait with twelve columns. Number of racks would depend on project needs. For this example, we are doing one rack only.

Module Data	Rack Preferences	Site Details
Cell Type	TB Angle	Building Code
Module Width (mm)	Foundation Type	Include Seismic Design?
Module Thickness (mm)	Number of Module Columns	Maximum Wind Load
		Maximum Snow Load
	Quantity of Racks	<b>Calculate Parts</b>



- **Site Details:** Information provided in site details dependent upon site location and local code requirements.

Once module data, rack preferences, and site details are determined, enter the number of racks fitting provided specifications you would like material for. Then, click calculate.

## Parts List

The Parts List tab shows the racking material needed to complete the specifications entered into previous form. To send to ecommerce store and purchase, **click Add to Basket**. Remember, an account is needed to purchase items through the Schletter ecommerce store.

Parts List
Calculations
Documentation

Part No.	Item Name	Qty.
124303-06200	S 1.5 Rail	10
140003-007	Standard FS Foundation 25 degrees	4
129303-000	S 1.5 Splice Kit	8
131001-032	Rapid2+ End Clamp	8
135002-002	Grounding Rapid2+ Mid Clamp Assembly	44

No overage is provided. Add items to basket, then modify quantities.

Location	Rails Row	Cut	Rail Length	Total
Center	1	@	1910	1910
Intermediate	0	@	0	0
End	2	@	5470	10940

Cut (6)1910mm rails(s) from (2) 6200mm stock rails.  
Cut (8)5466mm rail(s) from (8) 6200 stock rails

Add to Basket

## Calculations

Provides a project summary of information entered into initial screen. For this example, it includes the installation details for a drilled shaft foundation.

Parts List
Calculations
Documentation

**Project Summary**

Description	Value	Description	Value
Module Type	72 cell	Code Version	ASCE7-10
Module Width	1042 mm	Wind	110 mph
Type of Rack	Foundation	Ground Snow	0 psf
Size of Rack	2V x 12	System Length	42.12 feet
Tilt	25 degrees		

**Installation Details**

Max Span	Tension	Lateral	Shaft depth
12.5 ft	7.078 kip	3.542kip	6.25 ft



## Documentation

Click Download Engineering Letter and All Drawings button. You will be asked to provide your contact information and emailed the necessary information for permitting your project. These documents will also appear in a separate browser window on your screen.


Parts List Calculations **Documentation**

[Download Engineering Letter and All Drawings »](#)

Fill out the form below to download all system documents and an engineering letter for permitting purposes.

Jane Doe New Customer ▾

123 Pleasant Street

Tucson Arizona ▾ 85716 

marketing@schletter.us

**Submit**

Remember: an ecommerce account must be established to purchase a system and obtain racking online. After placing an order, a confirmation message will be generated with the expected ship date of the project.

After using the software, your feedback is appreciated. For this we have created a quick way to send us an email with your comments and feedback. We can't provide more useful tools unless we hear from you!

Schletter Store »

**We welcome your feedback...**

Having problems? Please send us a detailed description of the issue you are experiencing along with the browser you are using (Internet Explorer, Firefox, Chrome, Safari, etc.) and a screenshot of the issue in action, if possible.

**Send Feedback**

