


PV Powersite

A. System Selection


PV Powersite is designed for small commercial and residential installations, both ground and roof mounts. To begin, select the system type you would like to design. At this time the FS System, PvMax, Windsafe, and Flush Mount tools are ready for use. For additional product information, hover mouse over each system for a brief description. Site landing page:


<http://secure.schletter.us/standard/form.php>




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

**FS System**
Light weight and fast-to-install. This aluminum ground mount system is available online in two configurations: rammed 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.

**PvMax**

**Carport**

**PvMini**

**Windsafe**

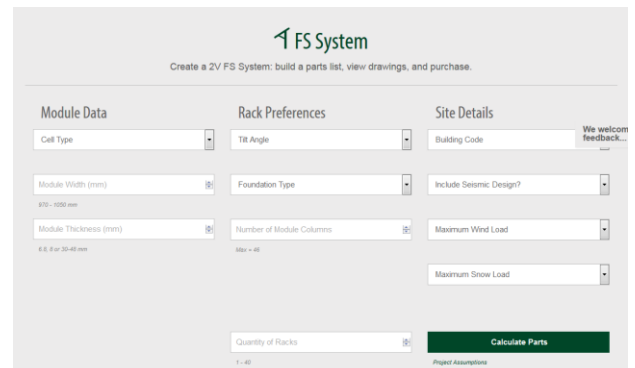
**Flush Mount**

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B. Specifications Tab

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

- **Module Data:** Information based upon type of module you have selected for project.
- **Rack Preferences:** Project specific for site location. Number of columns based upon project size. For an FS System used in this example one rack of 2V x 12 will be designed. This means two modules in



FS System
Create a 2V FS System: build a parts list, view drawings, and purchase.

Module Data	Rack Preferences	Site Details
Cell Type: <input type="text"/>	Tilt Angle: <input type="text"/>	Building Code: <input type="text"/> We welcome feedback...
Module Width (mm): <input type="text"/> 975 - 1050 mm	Foundation Type: <input type="text"/>	Include Seismic Design? <input type="text"/>
Module Thickness (mm): <input type="text"/> 6.6, 8 or 20-40 mm	Number of Module Columns: <input type="text"/> Min = 40	Maximum Wind Load: <input type="text"/>
		Maximum Snow Load: <input type="text"/>
	Quantity of Racks: <input type="text"/> 1 - 40	<input type="button" value="Calculate Parts"/>

Project Assumptions





portrait with twelve columns. Number of racks would be based upon the project. For this example we are doing one rack only.

- **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**.

C. Parts List

The **Parts List tab** is the racking material needed to complete the specifications entered into previous tab. To send to ecommerce store in order to purchase, **click Add to Basket**. Remember, an account is needed to purchase items on 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

D. 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		

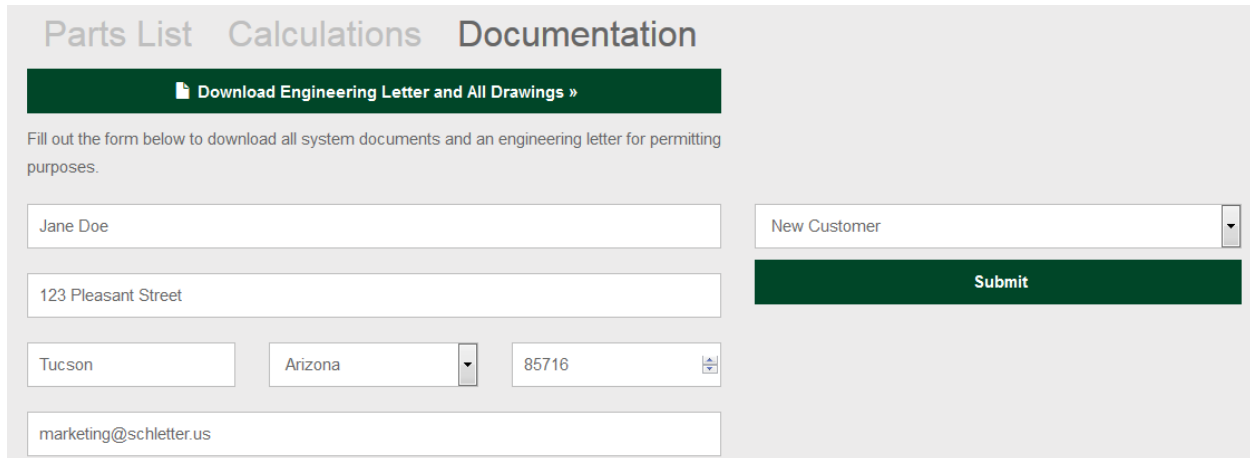
Installation Details

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



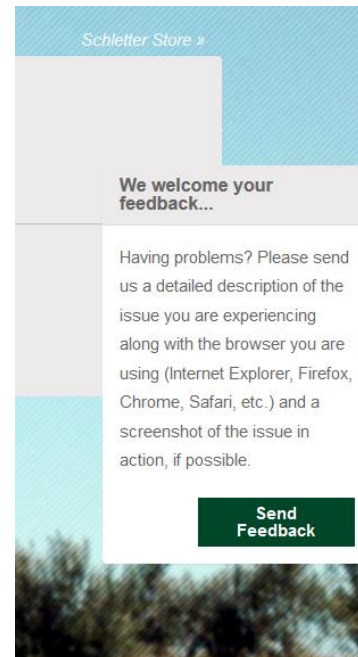
E. Documentation

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

A screenshot of the "Documentation" tab in the PV Powersite software. The page has a header with "Parts List", "Calculations", and "Documentation" tabs. Below the header is a dark green button labeled "Download Engineering Letter and All Drawings »". A text prompt says "Fill out the form below to download all system documents and an engineering letter for permitting purposes." The form contains several input fields: a name field with "Jane Doe", a dropdown menu for "New Customer", a street address field with "123 Pleasant Street", a city field with "Tucson", a state dropdown menu with "Arizona", a zip code field with "85716", and an email field with "marketing@schletter.us". A dark green "Submit" button is located to the right of the form fields.

Remember in to purchase a system and obtain racking, an ecommerce account must be established. 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!

A screenshot of a feedback form titled "Schletter Store »". The form has a light blue header and a white body. It starts with the text "We welcome your feedback...". Below this is a paragraph of text: "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." At the bottom right of the form is a dark green button labeled "Send Feedback". The background of the form is a blurred image of green foliage.