

Use the worksheet below to determine the number of PV modules that can be connected within a highlighted **green** when all necessary data is entered. Fields highlighted **orange** indicate an error

By using the worksheet below, you acknowledge the following...

- ⚠ This worksheet does NOT supercede NEC and local codes requirements. Please comply with a
- ⚠ A PV Substring MUST be comprised of modules of the same make and model. Do NOT mix and
- ⚠ PV modules MUST be connected to PV Link in order to export power to a Generac PWRcell inv
- ⚠ A company/entity or person(s) submitting any materials or documents referencing this worksh

<b>1</b>	<b>Select a PV Link Model</b>	S2502
	SELECT APPLICABLE NEC ADOPTION	
	<b><u>PV Link (S2502) Specifications</u></b>	<u>Value</u>
	Max. Input Voltage - (Voc)	420
	Voltage Range at Max. Power - (Vmp)	60 - 360
	Max. Short Circuit Current - (Isc)	18
	Max. Power Throughput - (Pmax)	2500
<b>2</b>	<b>Enter PV Module and Site Specific Data</b>	
	<b><u>Site Specific Information</u></b>	<a href="#">Find Local Temps by City, State</a>
	Total String Size	
	Local Record Low Temperature (°F)	
	Local Record High Temperature (°F)	
	PV String Mounting Type	
	<b><u>PV Module Specifications @ STC</u></b>	
	Module Manufacturer	
	Module Model	
	Max. Rated Output Power (W)	
	Open Circuit Voltage (Voc)	
	Max. Power Voltage (Vmp)	
	Short Circuit Current (Isc)*	
	<b><u>PV Module Temperature Characteristics</u></b>	
	Temperature Coefficient of Voc	
	<b>OR</b>	

# Sizing Tool

1 Substring to a Generac PV Link optimizer. Enter data/values into the input cells highlighted **yellow** in data entry.

2 All relevant NEC and code requirements.

3 All PV modules.

4 Enter.

5 Users are ultimately responsible for ensuring the accuracy of their results.

## 3

## Review Results

<u>Units</u>
Volts
Volts
Amps
Watts

### PV Modules and PV Substring

Temperature-corrected Voc (Low, High)

Temperature-corrected Vmp (Low, High)

Worst Case Substring Open Circuit Voltage (Voc)

Worst Case Substring Voltage at Max. Power (Vmp)

Recommended Substring Topology

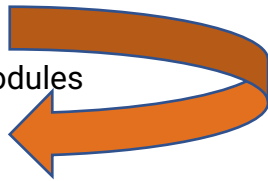
Min/Max PV Substring Power

Total Modules in PV Substring

modules

°F

°F



### Entire PV Array Sizing:

Total Array Power Rating (W)

Min. number of PV Links

Min. Wire Runs to PWRcell inverter(s)\*\*

Watts

Volts

Volts

Amps

### **QUESTIONS?**

Call us at [\(855\) 635-5186, Option 1](tel:855-635-5186)

Email us at [pwrcell.sales@generac.com](mailto:pwrcell.sales@generac.com)

(V / °C)

(% / °C)

\*SnapRS Max Current Rating = 13 A. Please design accordingly

\*\*Up to 3 PV Links combined in parallel per Home Run

low. Results are

**Volts**  
**Volts**  
**Volts**  
**Volts**

**Watts**  
**Modules**

**Watts**  
**PV Link(s)**  
**Home Run(s)**