

## Solar Sling (prototype v2, 4/2024)

### **General Product Description**

The SteelPoint Solar Sling presents a fully portable solar photovoltaic (PV) power generation system, expertly designed for deployment by a single operator in any location. This system becomes operational within minutes, delivering clean and silent power. It is strategically engineered as the core of a sustainable power infrastructure and is compatible with a diverse array of battery energy storage systems (BESS) and hybrid solutions.

Our standard configuration offers a plug-and-play feature, enabling seamless connectivity with any existing BESS to supply power directly to a load network or for battery charging. Additionally, an optional integrated battery storage feature is available to transform the Solar Sling into a self-sufficient, ready-to-use power solution.

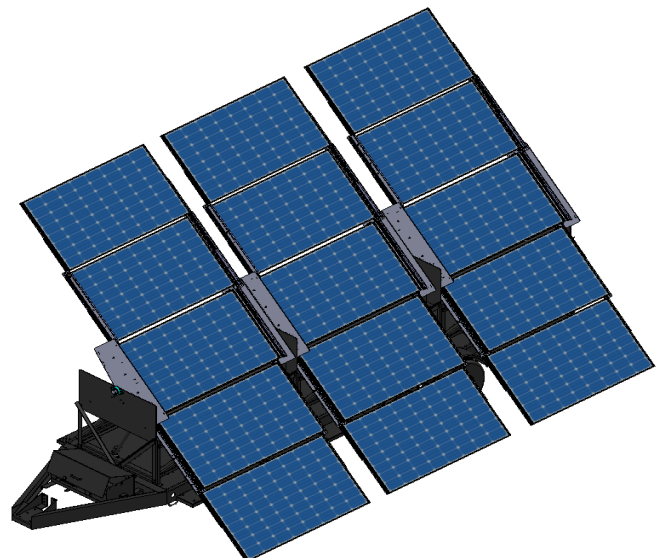
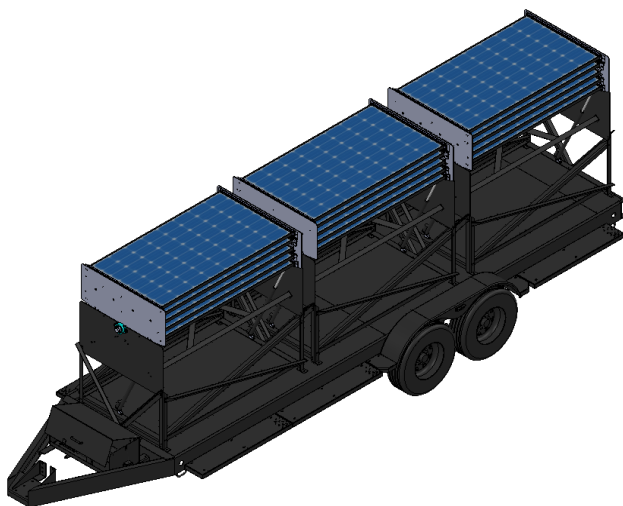
For enhanced power generation to meet increased demands, multiple Solar Sling units can be interconnected using our specialized combined module.

The system includes a power-assisted folding mechanism that allows for quick and effortless deployment and stowage of the PV array by a single operator. This feature ensures the system is immediately operational or can be compactly secured for transport.

### **Key Features**

- Easily deployed and stowed by a single operator.
- Solar Slings can be comprised of 2 or 3 pods.
- Each solar pod consists of five 405W panels.
- Each solar pod 2kWp output.
- Solar Sling is a plug and play operation.
- Minimal service and maintenance.
- Compatible with all 48-52V DC BESS systems.
- Compatible with lead acid and Li-Ion battery systems.
- Typical average up to 28kWh daily yield\*

### **3 POD, 5 PANEL, TRAILER MOUNTED SOLAR SLING:**



(See reverse for additional information)

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### Technical Specifications

Parameter	Specification	Notes
<b>PV array specifications:</b>		
Solar PV module type	Monocrystalline	
Module nom. output power	405Wp	
Array configuration	Up to 3 pods of 5 panels	Confirmed
Total array nominal output power	6,075Wp	Assumes 3 pods of 5 panels
Typical average daily yield*	18.5 - 27.8kWh	
Power regulation	Integrated smart MPPT	250/70 MPPT TR Inverter
Nominal output voltage	48-52Vdc	
Nominal output current	125A dc	Fuse protected
Suitable for battery type	Lead Acid / Li-Ion	Adjustable
Interconnector type	Anderson SB175	Alternative available
<b>Trailer specifications:</b>		SteelPoint Model 12035
GVWR (trailer with solar pods)	6000 lbs	
Actual weight (trailer and solar pods)	5600 lbs	
Width	96 inches	
Length	27.5 feet	

\* JRC data based on specified criteria & available on request. Location: Charlotte NC.

\* Alternative output specifications for voltage and connector types can be accommodated on request.