

Solar Strand (prototype v1, 9/2024)

General Product Description

The SteelPoint Solar Strand presents a fully portable solar photovoltaic (PV) power generation system, expertly designed for deployment by two operators 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 existing BESS to supply power directly to a load network or for battery charging.

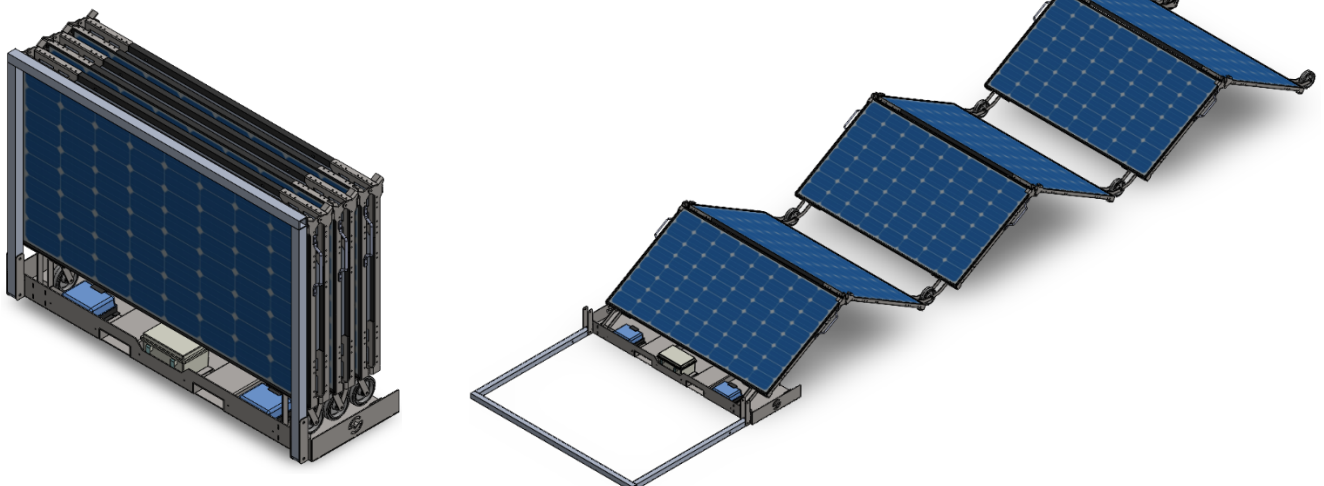
Solar Strands are design to be used in conjunction with multiple units in a multitude of array sizes for enhanced power generation to meet any demands. Units can be interconnected using our specialized power junction module boxes.

The Strand includes a quick latch system and set angle hinges for quick and effortless deployment and stowage of the PV array by two operators. This feature ensures the system is immediately operational or can be compactly secured for storage and transport.

Key Features

- Easily deployed and stowed by two operators.
- Any number of Solar Strands can be utilized.
- Each Solar Strand consists of six 405W panels.
- Each Solar Strand produces 2.4kWp output.
- Solar Strand 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 11.1kWh daily yield per Strand*

4 PANEL SOLAR SLAB:



(See reverse for additional information)

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Technical Specifications

Parameter	Specification	Notes
PV array specifications:		
Solar PV module type	Monocrystalline	
Module nom. output power	405Wp	
Array configuration	6 panels	
Total array nominal output power	2430Wp	
Typical average daily yield*	7.4 – 11.1kWh	
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

* 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.