

## Solar Slab (prototype v1, 9/2024)

### **General Product Description**

The SteelPoint Solar Slab 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 existing BESS to supply power directly to a load network or for battery charging.

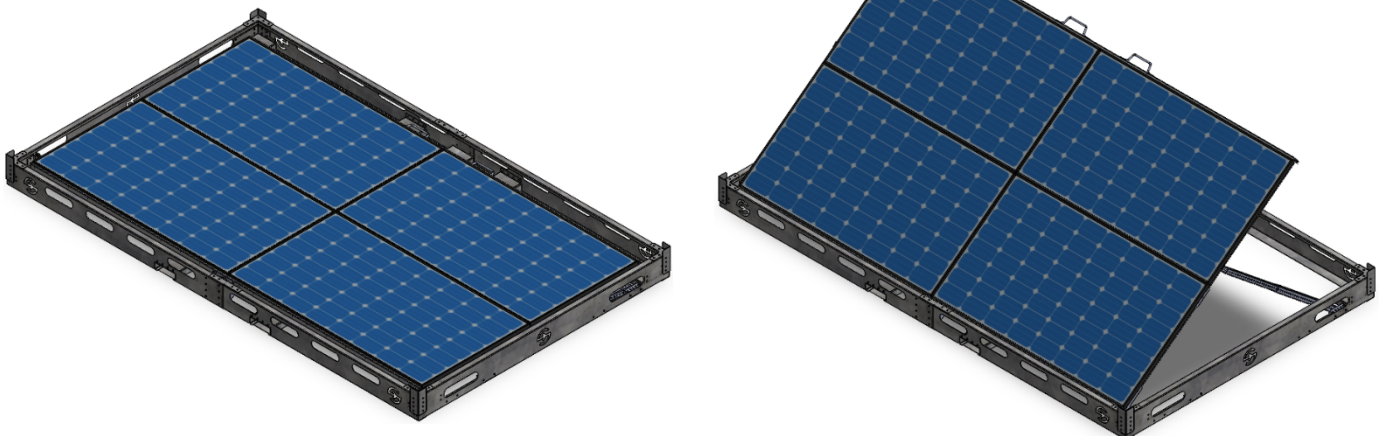
Solar Slabs are design to be used in conjunction with one another in a multitude of array sizes for enhanced power generation to meet any demands. Units can be interconnected using our specialized power junction module boxes. Slabs can be transported in stacks up to 12 units high allowing for large quantities of Slabs to be deployed to an area quickly and efficiently.

The Slabs includes gas spring assisted lifting 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 stacking and transport.

### **Key Features**

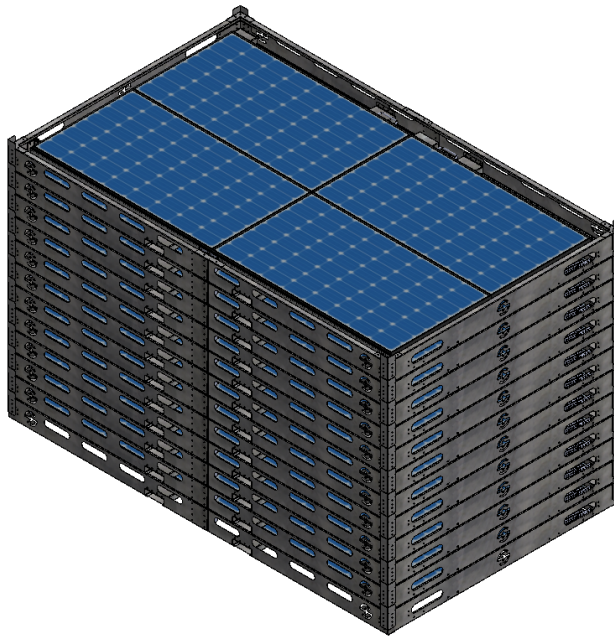
- Easily deployed and stowed by a single operator.
- Any number of Solar Slabs can be utilized.
- Each Solar Slab consists of four 405W panels.
- Each Solar Slab produces 1.6kWp output.
- Solar Slab is a plug and play operation.
- Minimal service and maintenance.
- Compatible with all 48-52V DC BESS systems.
- Compatible with lead acid and Li-Ion battery systems.
- Typical average up to 7.4kWh daily yield per Slab\*

### **4 PANEL SOLAR SLAB:**



(See reverse for additional information)

## STACK OF 12 SOLAR SLABS:



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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	4 panels	
Total array nominal output power	1620Wp	
Typical average daily yield*	4.9 – 7.4kWh	
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.

(See reverse for additional information)