

spotlight solar®



Haven Solar Shelter

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Haven

A **shelter** with
shade, seating, table

For....
togetherness,
getting away,
eating,
work,
study

Solar energy for your phone
or computer or anything else



Haven solar shelter

Batteries store power for days...
and nights, with elegant lighting

Add signs and digital content to
deliver your message

Haven is flexible...
options for a standing height
table, or a large seating area

Shade and solar power

- 118 square feet of shade and rain shelter
- 1.5 kW of solar power, bifacial



- smooth table for 8
- no center pole

- 4 wireless charging
- 8 120V outlets
- 4 USB A and 4 USB C
- owner can program on/off outlets

- lithium battery
- 3 days of energy storage
- fast recharge



- integrated LED lighting
- pleasant 2000 lumens, warm 3000K
- owner controls with phone app



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- pleasant 2000 lumens, warm 3000K
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Thoughtful details, high quality materials



- aluminum and stainless steel
- marine grade electrical



- high-strength, beautiful solar



- premium recycled countertop material
- thermally modified wood or TimberTech Advanced PVC



Seating
options,
including
wheelchair
access



Standing height table option



Large bench option

- seating for 8 - 10
- thermally modified wood for long life
- outlets, wireless, and USB



Large bench option

- seating for 8 - 10
- thermally modified wood for long life
- outlets, wireless, and USB
- back rest option



Signs, branding

- upper and lower signs
- illuminated
- connect to online content



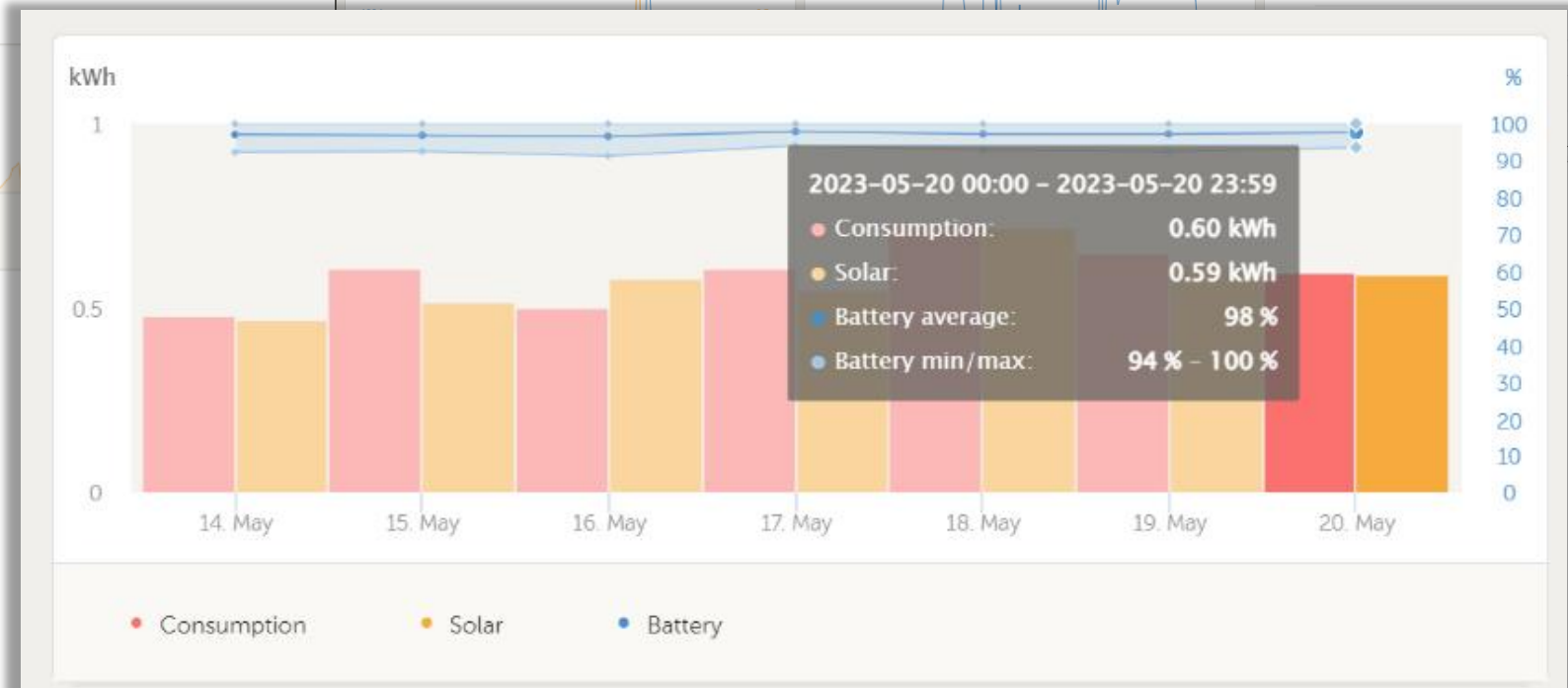
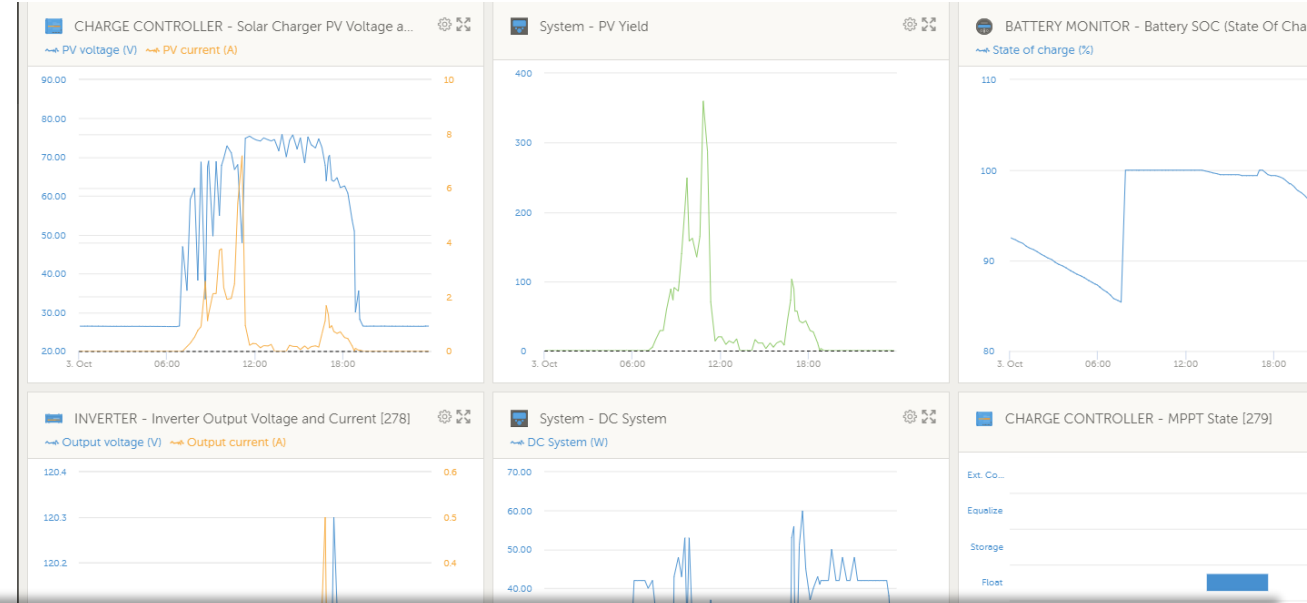
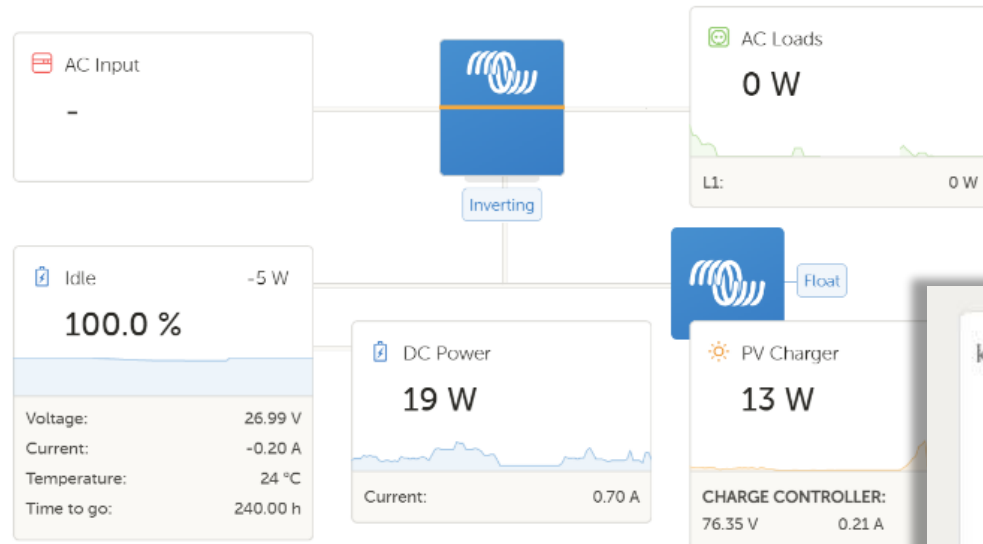
Educational Opportunities

Hands-on experimentation; on-phone and online system data available



Remote Management and Online Data Option

- Detailed real-time data via website on solar production, battery status, and energy use
- Remote monitoring for O&M; set power outlet timing
- Educators can use in hands-on lessons





Haven features

- shade 11'-6" x 10'
- integrated solar power 1.5 kW + bifacial
- 20 power outlets / wireless charging
- elegant LED lighting
- 3 day battery (2 kWh), safely elevated
- lithium batteries recharge in 2.5 hours
- open farm table style
- high quality solid surfaces
- standing height table option, or seating only
- seating for up to 8
- equitable wheelchair access
- brand, signs integration
- WiFi and sensor options



Example Installations

















Mixed Use Retail / Entertainment – The Boxyard













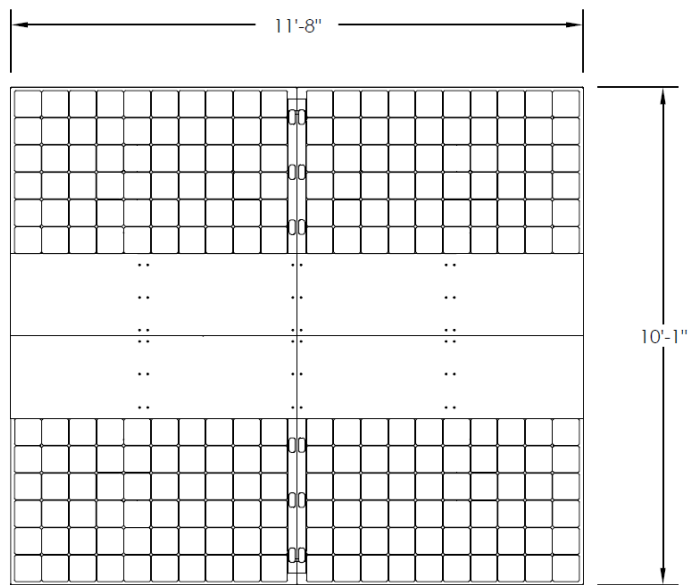




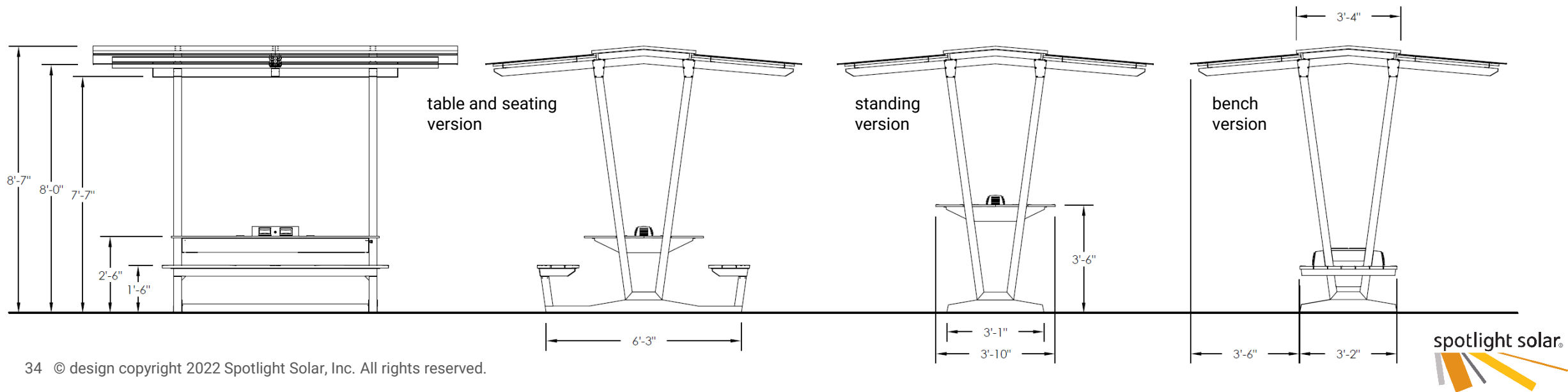
Specifications



Haven Dimensions and Materials



Structure and roof	aluminum (corrosion resistant)
Coating	Super durable powder coat, rated AAMA 2604; additional clearcoat for shoreline
Solar panels	frameless 60 cell bifacial, European made
Battery chemistry	Lithium-Iron-Phosphate (safest per FAA)
Benches	thermally modified wood (20+ year lifetime) or TimberTech Advanced PVC
Table	recycled solid surface
Seating	up to 8 people; wheelchair option in center
Loading	wind 175 MPH, snow 90 PSF
Weight	1035 lbs.



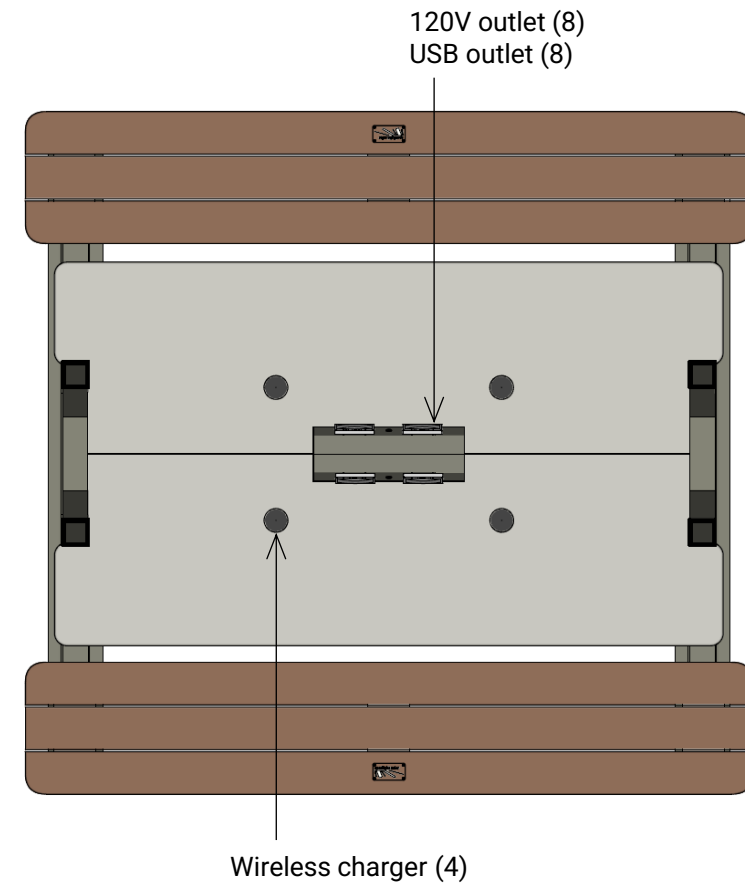
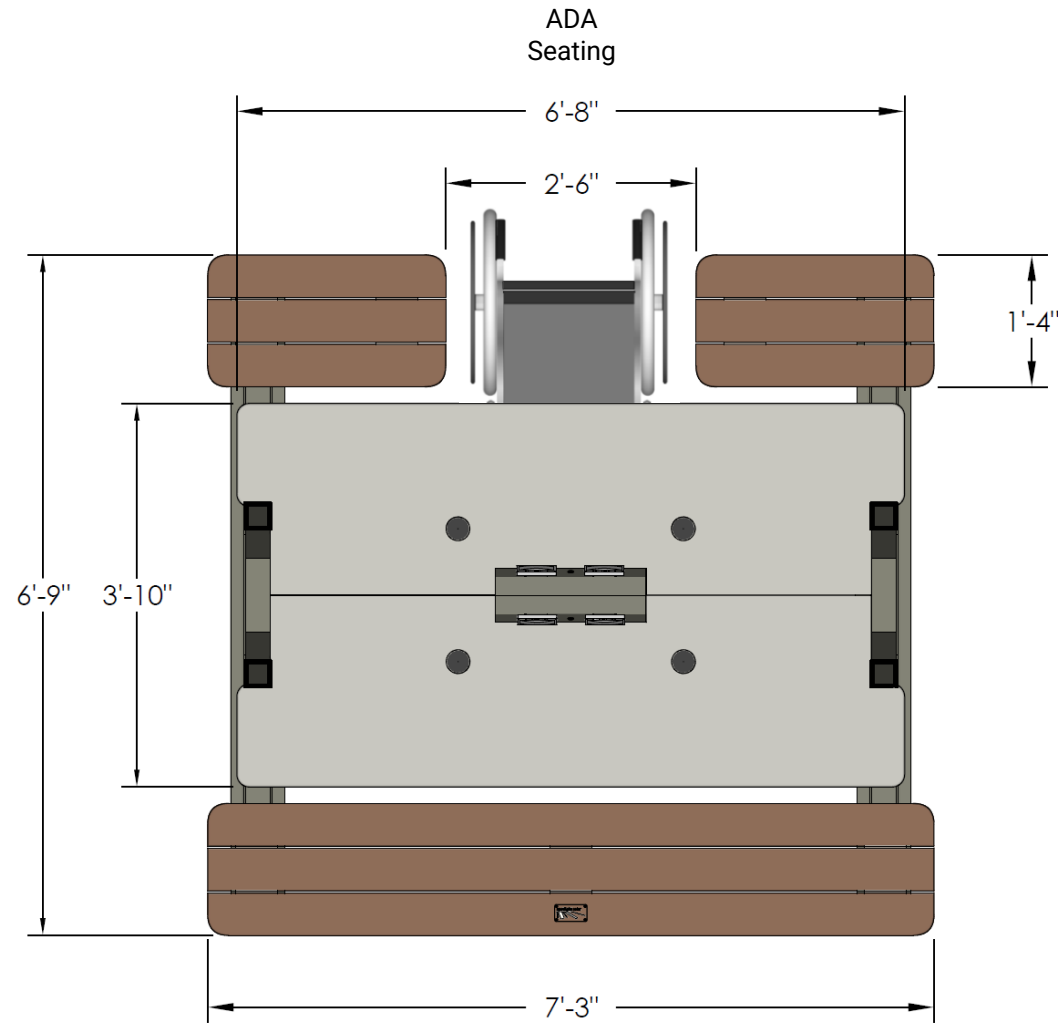
Haven Power Specifications

Haven is designed to support multiple users and devices, with three days of clean energy reserves in case of cloudy weather. Lithium Iron Phosphate batteries are used for long life and high performance in a range of temperatures.

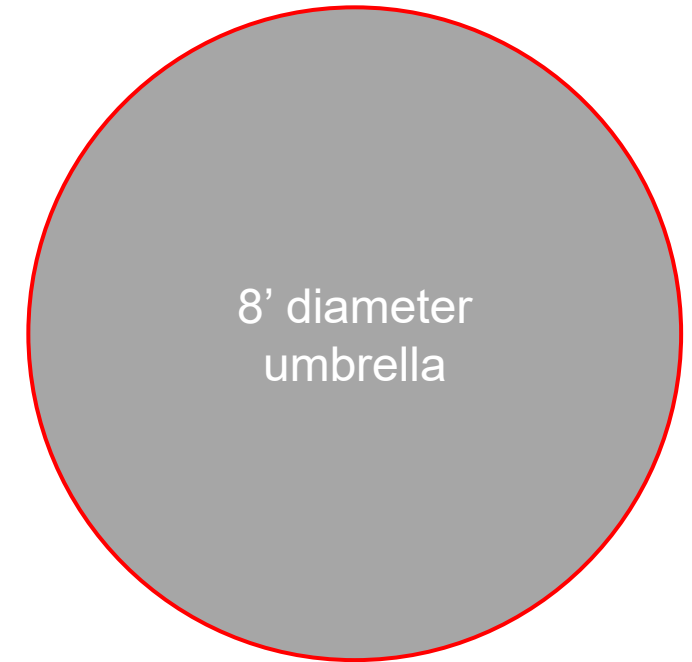
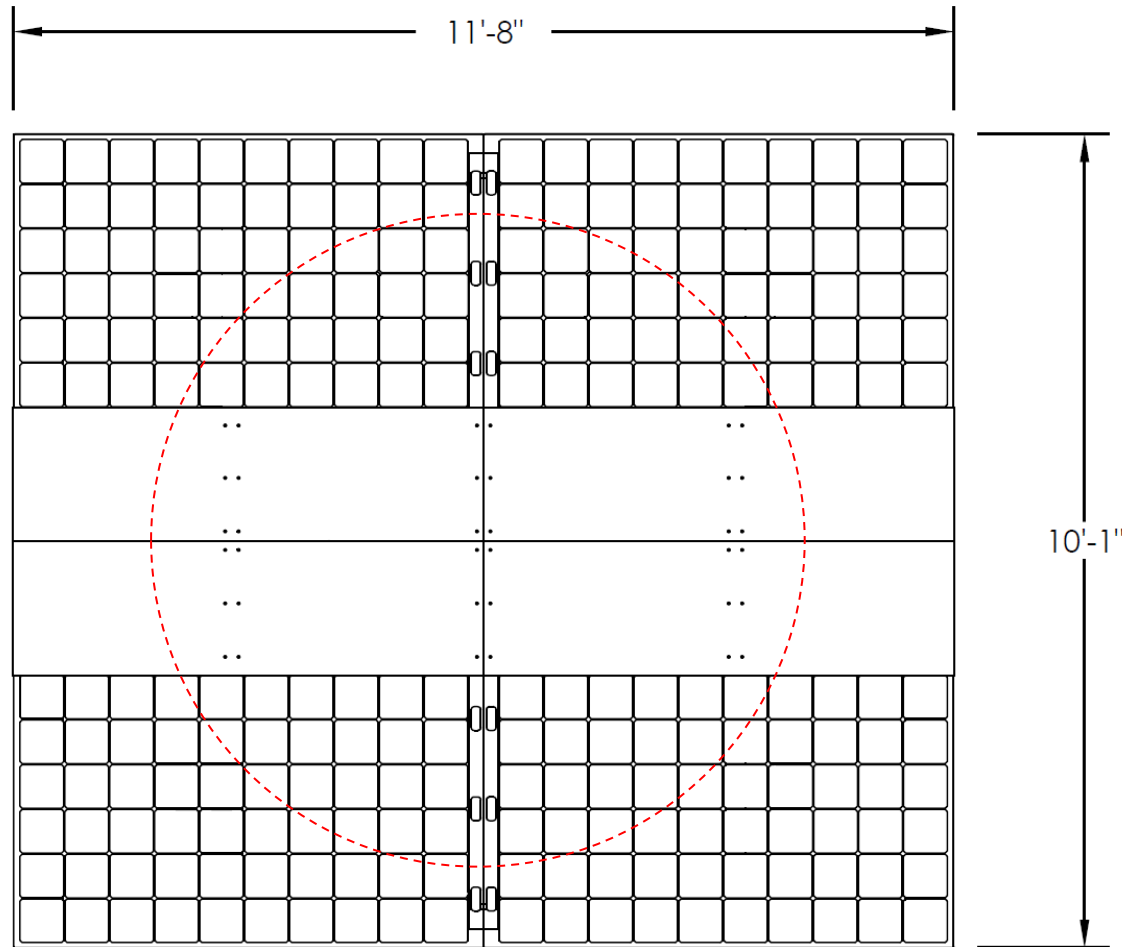
	Without lighting	With LED lighting – 2,000 lumens
Lithium battery capacity	1.5 kWh (1.35 kWh usable**)	2 kWh (1.8 kWh usable**)
Depth of discharge	**90% (lithium's full capacity is available vs. AGM's 50%)	
Lithium battery lifetime	15 years (3X vs. AGM)	
Solar capacity	1.5kW plus bifacial bonus*	
Max continuous load, AC outlets	650W @75° F	
Power outlets	4 wireless, 8 120VAC, 4 USB A, 4 USB C (PD) (owner can opt out of 120V outlets)	
3-day energy reserves (each day)	8 phones charged AND 8 hours of laptop charging	8 phones charged AND 8 hours of laptop charging AND 6 hours of lighting

* capacity of solar panels based on manufacturer projections, actual to be confirmed, no more than 10% different; no user experience impact

Haven – Seating, Charging and Wheelchair Access



- 118 square feet



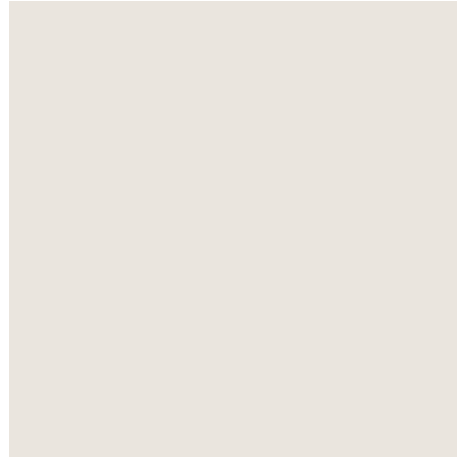
Select Colors and Materials

main structure and roof



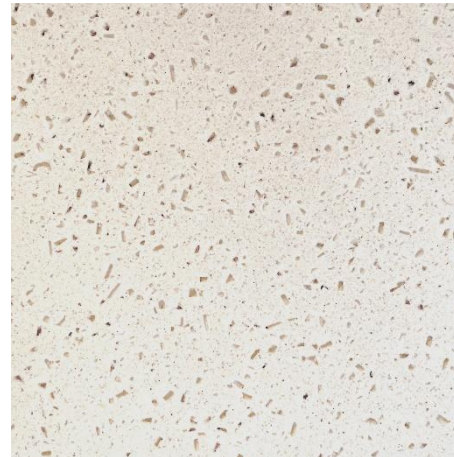
Warm gray
on aluminum

roof and supports



Gray White
RAL 90023
on aluminum

table



Seashell
recycled solid surface acrylic

benches



Solid Ash
thermally modified wood



Also available in
TimberTech
Advanced PVC

*Customization of colors available.

Warranty Items	
Batteries	6 years
Electronics	5 years
Workmanship	10 years
Materials	5 years
Coating and surface finishes	3 years
Solar panels	30 years production / 10 years workmanship

Warranty does not apply to damage, defects, or loss resulting from normal wear and tear, abuse, misuse, or failure to maintain according to Spotlight Solar's instructions.

Coating warranty covers defects such as peeling and corrosion. It does not cover gloss or color retention. Sun exposure and weathering may cause surface color and appearance changes.

Warranty does not include power outlets, which are easily replaced if damaged.

\$ USD

Haven solar shelter with table	24,800
-- choose combination of bench seats or split seats for wheelchairs (ADA compliant)	
LED lighting with higher-capacity battery	2,200
small sign on side with customer's graphics, double-sided	490
large billboard sign under roof with customer's graphics – double-sided	1,200
Remote Management Kit – WiFi + cellular modem + SIM card	1,300
-- 3 yr cellular data service for Remote Management	300
Earth Anchor Kit (base config includes concrete anchors)	700
Shoreline paint upgrade (req'd within 2 mi. of shore)	770
custom paint color	inquire
Haven solar shelter with bench seating, no table	27,800

IMPORTANT: Solar and battery systems qualify for federal credits and depreciation that **can reduce the net cost by 40% - 70%**. Details available upon request.,

Project cost -- net of solar tax credits and depreciation tax benefit

Example: taxable customer, Haven

Initial project cost (example)	\$29,000	product, accessories, shipping, self-installation
Federal tax credit / direct payment	-\$8,700	30% Federal investment tax credit or direct pay for tax exempt org
Domestic content credit / payment	-\$2,900	10% Federal credit / payment for 40%+ domestic content
Depreciation tax benefit for taxable orgs	-\$6,890	[29.7% income tax rate] X [(project cost) - (credit amount X 50%)]
Net cost after tax benefits	\$10,510	= 36% of project cost

Example: tax exempt customer, Haven

Initial project cost (example)	\$29,000	product, accessories, shipping, installation
Federal tax credit / direct payment	-\$8,700	30% Federal investment tax credit or direct pay
Domestic content credit / payment	-\$2,900	10% Federal credit / payment for 40%+ domestic content
Net cost after tax benefits	\$17,400	= 60% of project cost

Important: This is not tax advice. Please consult your renewable energy CPA or tax professional.

1. **Packaging and handling:** ships in two wooden crates. A forklift is required to unload the truck (or a loading dock). To move components to installation location, crates can be unpacked and contents carried by two people. The heaviest item is 150 pounds.
2. **Installation** can be accomplished by three people with mechanical skill, with proper preparation and tools, in six hours.
3. **Maintenance** required is minimal, including cleaning of surfaces, and occasional re-sealing of wood benches, depending on location. Batteries are expected to last 15+ years.

spotlight solar®



We're happy to help

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