555 Aspen Ridge Dr.
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(303) 449 2394
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SolarZone **FAQ**

How much does the **Solar**Zone **cost?**

	Price
SolarZone **with four benches**	$17,350

Options	**Price**
Bench Deduct	-$200/ per bench
Table Deduct	-$400
Web Based Data Monitoring	$700
Concrete Anchor Kit	$300
Ballast Anchor Kit	$2,150
3M Graphic Wrap Package	$2,500

Notes: Prices do not include installation or freight

Volume Discounts

- 12-23 Units: 3%
- 24-35 Units: 5%
- 36+ Units: 7%

How much does it cost to ship?

Depending on your location, estimated costs are:

$1200-2000 per unit if shipped individually (LTL or PTL) (can be much less)
$3000-4000 per full truck load (10 units fit on a 53’ flatbed)

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What are your payment terms?

Our payment terms are 50% deposit at time of order and 50% balance prior to shipment. Final payment is due when order is complete. 8-10 Week Lead Time

How is the **Solar**Zone **delivered?**

The **Solar**Zone is shipped in a single crate from Denver, Colorado to your location. You will need a forklift to unload the crate onsite or have it delivered to a dock in order to receive.

The dimensions of the crate are 122” L x 48” W x 52” H

The crate weighs approximately 2800 lbs.

What is the lead time?

8 -10 Weeks

How long does the **Solar**Zone **battery last ?**

SolarZone Capacity

Lights on for 8 hours

Four hours of wireless phone charging per day

Eight hours of computer charging per day

SolarZone Technical Details

Total wattage of solar: 1,800W

Nominal battery capacity: 4,800 Wh (24V, 200Ah)

Allowable depth of discharge: 50%

Battery chemistry: AGM

Maximum continuous load (@77°F): 700W (*This is the maximum amount of power the SolarZone can supply through the AC outlet and wireless chargers, all combined into one load. This is exclusive of lights.)*

We assumed about 60% of nominal capacity when sizing the batteries, which is what remains at 20F. The batteries will operate safely down to about 0F, but with further reduction in capacity. In

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both cases, the capacity returns when the temperature rises. The likelihood of heavy usage at such low temperatures is minimal, so the reduced capacity is not an issue.

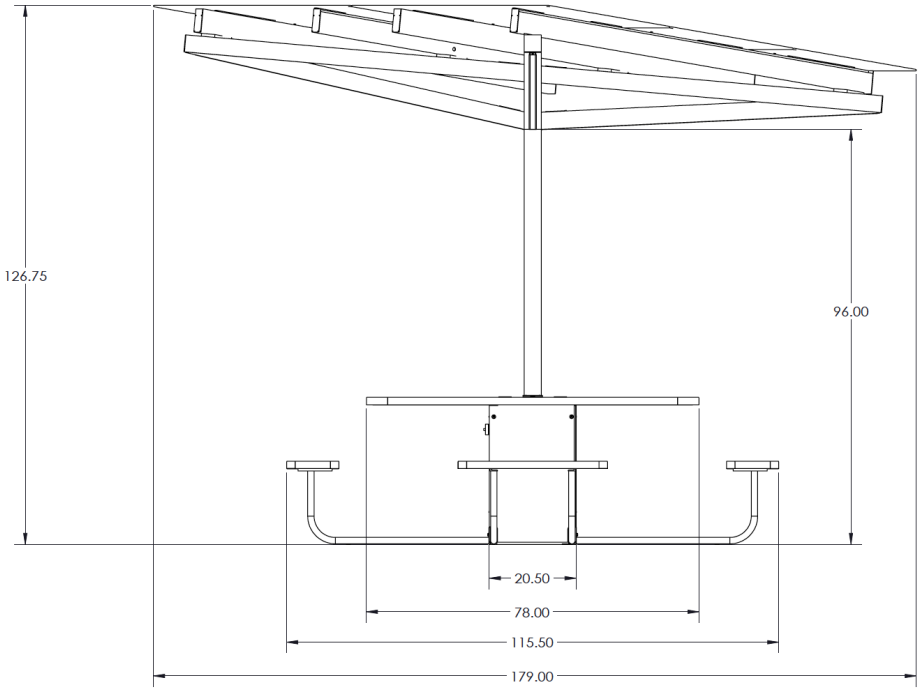
What is the SolarZone Warranty?

Modules 10 Year Workmanship/ 30 Year Power

Mounting Products 10 Year Workmanship/ 3 Year Finish

Electronics 5 Year Electronics/ 3 Year Battery

How big is the SolarZone?



Note: Solar array has a 5º tilt

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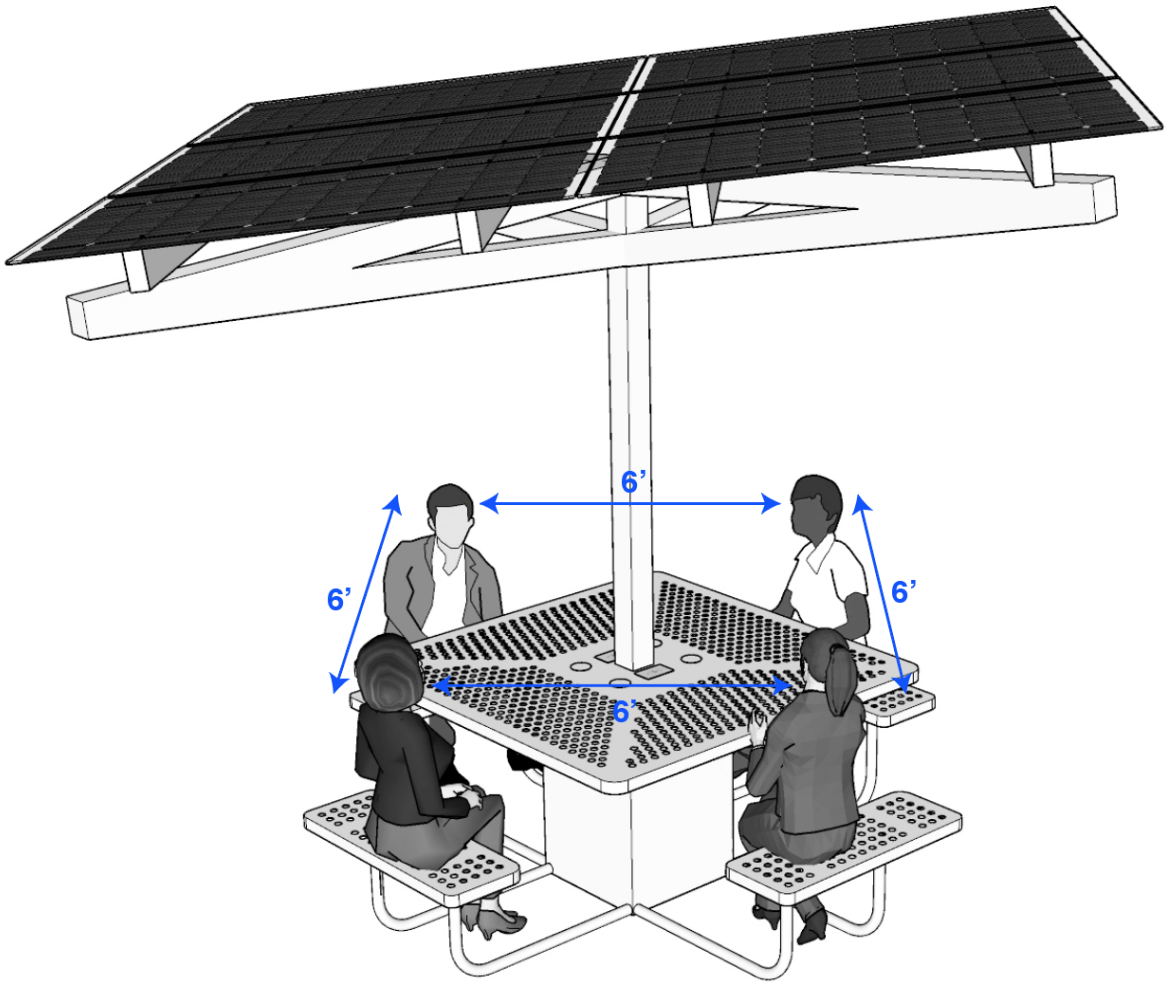
Can people maintain proper social distancing using the Solar Zone**?**



Is it hard to install?

The **Solar**Zone can be installed by two experienced builders in half a day with proper tools and preparation.

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Do we need a foundation?

No foundations are required. The **Solar**Zone can be installed on a concrete slab or directly on the ground using a ballast plate solution. We offer anchoring solutions for both applications.

Is the **Solar**Zone **eligible for the Federal Investment Tax Credit?**

We are solar experts, not tax experts. Tax codes are complicated, so consult your tax advisor before deciding what is best for you. Here is what we do know:

Eligibility for residential properties

If you are installing energy storage on a residential property, it is eligible for a credit under the ITC – as long as the battery is only charged by an on-site renewable energy system like solar. If you don't have solar panels, and plan on charging the battery with electricity from the grid, it isn't eligible for the 26 percent solar tax credit.

Eligibility for commercial properties

If you are installing energy storage on a commercial property, it is eligible for a credit under the ITC as long as the battery is charged by a renewable energy system more than 75 percent of the time. The exact value of the federal tax credit for batteries depends on how frequently the battery is charged by a renewable energy system. To claim the full value, the battery needs to be charged by renewable energy 100 percent of the time. Otherwise, the credit is based on the portion of renewable energy it receives.

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Wind Rating and Snow Load?

Designed for 180 mph wind and 89 psf ground snow load

Material:

Structure is powder coated aluminum.
Table and optional benches are thermoplastic coated steel.
The table is integrated into the design.

How much light does the SolarZone put out?

The standard integrated LED lighting of the SolarZone produces 10,280 lumens.
The lights are programmable to turn on and off on any desired schedule via Bluetooth.

How to install?

- The total weight of the crate is approximately 2800 lbs.
- The best way to move these around when on-site is by keeping them packed in the crate all the way to the installation site. If that's not possible, then it'll depend what resources you have available and how far you need to transport them.
- The SolarZone cannot be relocated while fully assembled. If you need to move them once they've been installed, you will need to disassemble them first.

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Who will Lumos sell the SolarZone to?

Lumos only sells to contractors, businesses, municipalities, schools or other commercial or institutional entities. Lumos **does not** sell direct to homeowners but will connect them with a Lumos Professional in their area.

Hotspot

Putting a 4G LTE hotspot inside the cabinet works very well. We have had some issues with T-Mobile hotspots, but none with Verizon or AT&T. We do have a regular AC power strip in the cabinet that you can plug it into.

The only requirement is that the WiFi network it broadcasts must be 2.4GHz. The SolarZone cannot connect to 5GHz WiFi networks. Alternatively, if the hotspot has an Ethernet port on it, you could hardwire the SolarZone's Ethernet port directly to the hotspot. This is really the best option if it's available.

Web Based Data Monitoring Option

The web based data monitoring needs to connect to an existing 2.4GHz WiFi network. It is not its own hotspot and will not connect to the web absent an existing network.

Other than that, the web-based data monitoring allows the owner to control the SolarZone remotely, to check on its status in real-time, and to acquire historical data on solar production and device usage. Here are a few specific things they can do remotely if they purchase the package (the list is not exhaustive, but these are the high points):

- Turn the plugs & chargers on/off
- Turn the lights on/off (otherwise they will operate on a photosensor & timer)
- Get notified if there are any errors, such as low battery or inverter overload
- See how charged the battery is at any time
- See how much solar energy has been produced by the device

SolarZone Install Timelapse

https://youtu.be/oum9Jew3e3s

SolarZone Charge Forward

https://youtu.be/ptEbE1VojGI