



**DWELLDOMES**  
**PACIFIC DOMES™**

Pacific Domes illuminate with natural light creating an atmosphere of being close to nature in a comfortable and energy efficient environment. From Michigan winters to Arizona summers, people live comfortably in our Domes. Safe in high winds, heavy snows and earth quakes, our architecturally engineered domes resonate with the power of nature. Made in the USA since 1980.







## Dome Covers

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Our covers are made of a 20 year longevity, architectural fabric that is durable, flame retardant, water and mildew resistant with special UV shielding. Our environmental resistant fabric will provide a lasting shelter in all climates, from tropical beaches to snowy mountains, from wind-swept deserts to humid rainforests.











Anchoring



Portability



Powder Coating

## Dome Frames

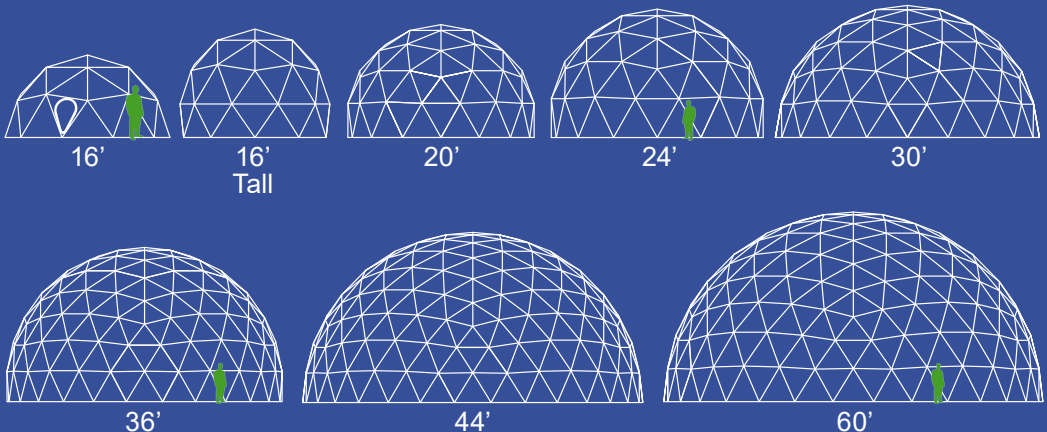
**Anchoring:** Pacific Domes will supply the appropriate anchors to secure the dome frame to surfaces such as concrete, earth, asphalt, or a deck.

**Portability:** Our frames arrive in small bundles for easy counting and handling. We provide illustrations and instructions for easy frame assembly. Our staff can provide on site training.

**Powder Coating:** We offer the option to apply an extra-protective coating to your steel frame. There are many colors to choose from to enhance both the beauty and durability of your frame.

**Sturdy Frames:** Our geodesic frames are architecturally engineered with galvanized steel tubing to be both durable and strong. Our rust resistant frames can endure heavy snow loads, tropical rains, and hurricane winds up to 100 mph. Dome frames that are intended for areas with extreme weather conditions are customized by our engineering team to ensure enduring structural integrity.

## Dome Sizes











Portable Mandala Floor



Stationary Joist Floor



Perimeter Board

## Dome Floors

We provide various free deck plans to add a cozy feel to your dome home. We offer three different deck plans: Portable Mandala, Stationary Joist, and Perimeter Board. An energy-efficient radiant heating and cooling system can be installed in the floor.

### Portable Mandala:

The initial intricate construction of the mandala floor allows for effortless assembly. This method enables assembly of the floor and disassembly under 12 hours.

### Stationary Joist:

We recommend a joist deck for people that don't expect to move their domes. This is the quickest and easiest method but it does not enable mobility.

### Perimeter Board:

For domes with earthen floors, we recommend perimeter board. The perimeter board will anchor your dome and keep the fabric off the ground. It can also be used as a mold to lay tiles or pour concrete.

## Interior Design

The open floor plan and high ceilings of the geodesic dome create a beautiful space for interior design. Add internal construction to separate living spaces or work with the existing shape to create an open interior. Second story structures and lofts can be added to any dome 20' or larger.











Round Windows



Bay Window



Skylight

## Windows

From the deserts of New Mexico to the high mountains of the Swiss Alps, the elegant windows of our domes bring you closer to the surrounding nature. Sun-filled by day and star-lit by night, the dome's open design creates a naturally luminous environment.

### Round Windows:

Our removable round windows are made with clear marine vinyl and are extremely durable. They are included with every dome, and interchangeable screens can be purchased.

**Bay Window:** Each dome is manufactured with an elegant and extremely durable bay window. The large window is made with marine vinyl and zips into the dome skin, allowing the interior of the dome to be illuminated with natural lighting.

**Skylight:** Our Optional skylight are an upgrade, made of UV resistant clear vinyl, zips in, replacing the roof of any size dome. It allows a wealth of additional light into the dome.

## Doors

**Zipper Door:** Our convenient fabric zipper door can be zipped open or closed from inside or outside.

**Prehung Door:** Our prehung door allows for a standard single or double door.











Winter Liner

## Heating

The dome's natural structure allows for constant airflow, requiring 30% less energy to circulate air, maintaining moderate air temperatures. We provide several options to transform your dome into a cozy refuge in the harshest winter climates.

**Winter Liners:** Our winter liners are flame retardant and resistant to mold and mildew. Providing insulation between you and the outside world, the window layout is velcroed in to match the outer cover.

**Wood Stove:** Each dome comes with an optional stove vent flashing and cap for wood stove installation. Comfortable temperatures can be maintained inside the dome while snow storms flurry outside.

**Thermoshield:** Heat can be reflected back into the dome with a Thermoshield coating, cutting utility use by up to 40 percent. This non-toxic elastomeric paint containing ceramic microspheres can be used in colder climates.

Wood Stove



Thermoshield











Solar Fan



Thermoshield

## Cooling

Each dome is designed for maximum ventilation, letting the cool breeze flow through the shade of the dome.

**Solar Fan:** Powered by the sun, our technically advanced Solar Fan is an environmentally friendly ventilation solution that will control humidity and temperature. It installs in under 30 minutes.

**Thermoshield Paint:** In warmer climates, coating the outside of the dome reflects over 90% of UV rays off the cover, keeping it cooler inside. Thermoshield also protects the fabric from UV, extending the life of your cover.

**Ventilation:** Screens are available for ventilation. Each round window can be removed and the base of the dome rolls up to allow cross ventilation. The roof can also be zipped out for added air flow.

Roof, Door & Base Screens



Base Screen





*"Only an energy-efficient, resource-efficient design could work for everyone, more and more life support for everybody, with less and less resources"*

*- R. Buckminster Fuller.*













# 16 Foot Dome

## Floor Area

195 ft<sup>2</sup>

## Ceiling Height

8½ ft

## Bay Window

5 ft. tall x 14 ft. wide

## Dome Weight

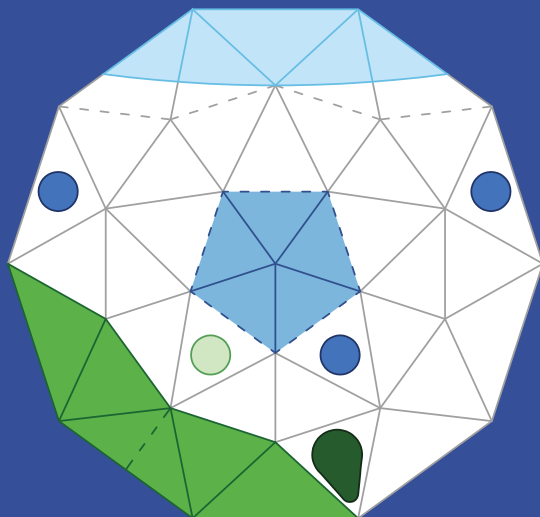
606 lbs.

## 4 Round Windows

2 ft diameter

## Assembly Time

2 to 6 hours with a crew of 3 or 4



# 16 Foot Tall Dome

## Floor Area

195 ft<sup>2</sup>

## Ceiling Height

11¾ ft

## Bay Window

8 ft. tall x 11 ft. wide

## Dome Weight

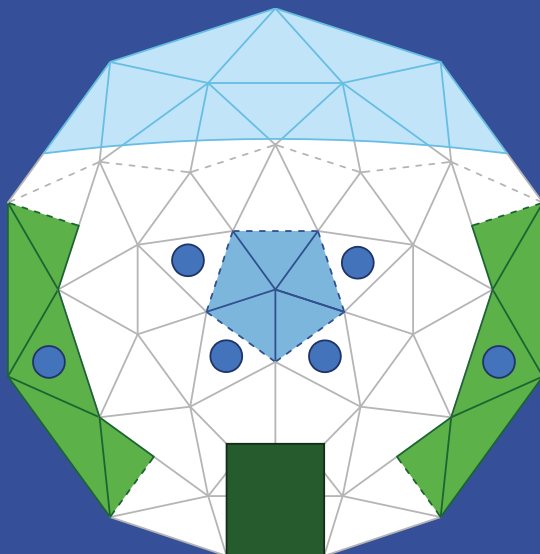
629 lbs.

## 6 Round Windows

2 ft diameter

## Assembly Time

4 to 8 hours with a crew of 3 or 4



● **Bay Window** (optional zip-off)

● **Zip-Off Roof** (optional)

● **Windows** (optional screens)

● **Door Frame** (optional diamond door)

● **Base Roll-Up** (optional base screen)

● **Stove Vent or Solar Fan** (optional)







# 20 Foot Dome

## Floor Area

300 ft<sup>2</sup>

## Ceiling Height

12 ft

## Bay Window

7 ft tall x 16 ft wide

## Dome Weight

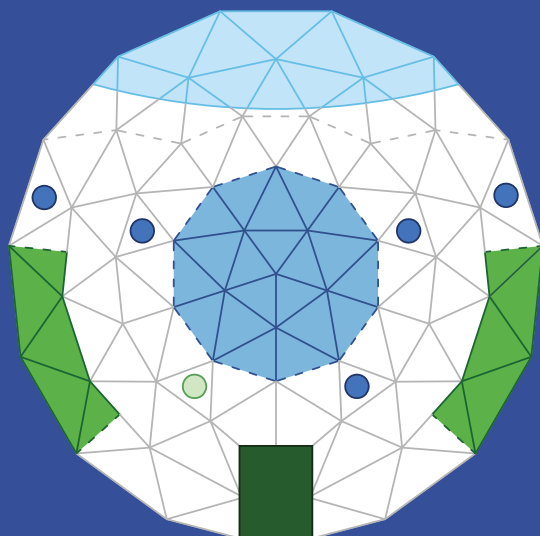
895 lbs.

## 6 round Windows

2 ft diameter

## Assembly Time

4 to 10 hours with a crew of 3 or 4



# 24 Foot Dome

## Floor Area

426 ft<sup>2</sup>

## Ceiling Height

14.25 ft

## Bay Window

8½ ft tall x 20 ft wide

## Dome Weight

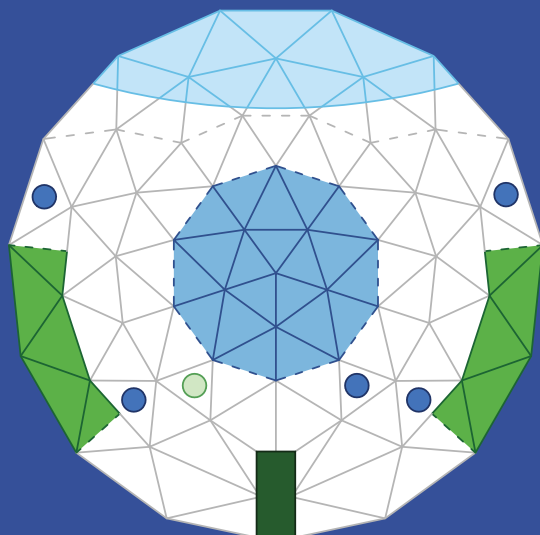
1,124 lbs.


## 6 Round Windows

2 ft diameter


## Assembly Time

4 to 12 hours with a crew of 3 or 4




 **Bay Window** (optional zip-off)

 **Zip-Off Roof** (optional)

 **Windows** (optional screens)

 **Door Frame** (optional diamond door)

 **Base Roll-Up** (optional base screen)

 **Stove Vent or Solar Fan** (optional)





# 30 Foot Dome

## Floor Area

700 ft<sup>2</sup>

## Ceiling Height

15 ft

## Bay Window

11 ft tall x 22 ft wide

## Dome Weight

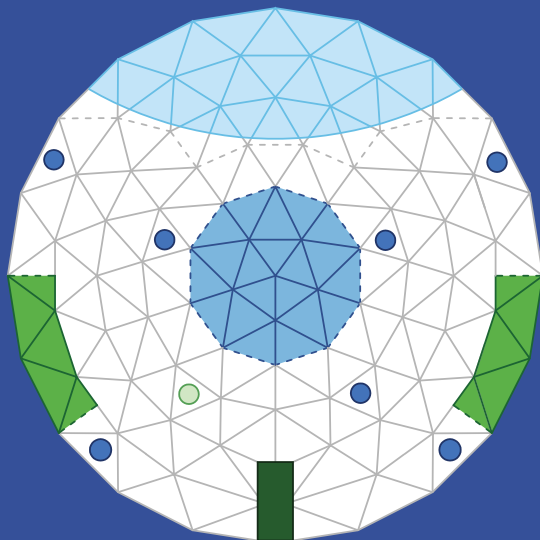
1,454 lbs.

## 8 Round Windows

2 ft diameter

## Assembly Time

6 to 14 hours with a crew of 3 or 4



# 36 Foot Dome

## Floor Area

995 ft<sup>2</sup>

## Ceiling Height

20 ft

## Bay Window

15 ft tall x 30 ft wide

## Dome Weight

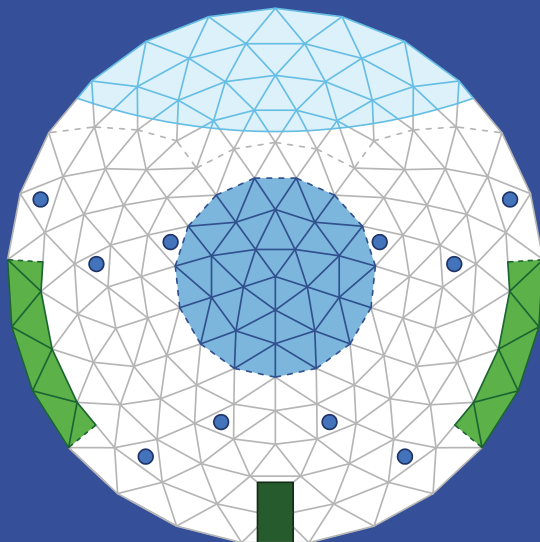
2,332 lbs.

## 10 Round Windows

2 ft diameter

## Assembly Time

8 to 16 hours with a crew of 4



● Bay Window (optional zip-off)

● Zip-Off Roof (optional)

● Windows (optional screens)

● Door Frame (optional diamond door)

● Base Roll-Up (optional base screen)

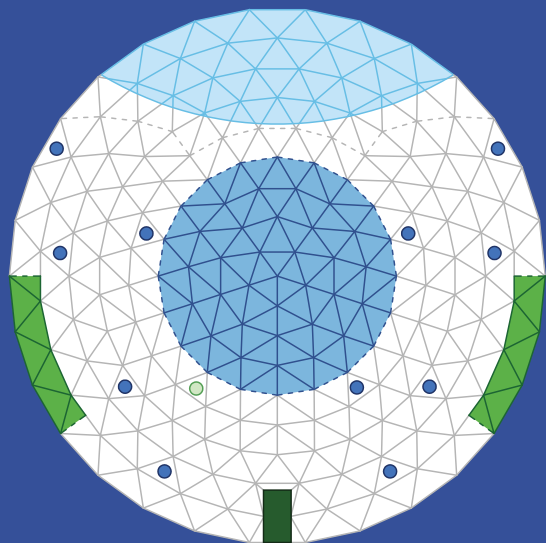
● Stove Vent or Solar Fan (optional)





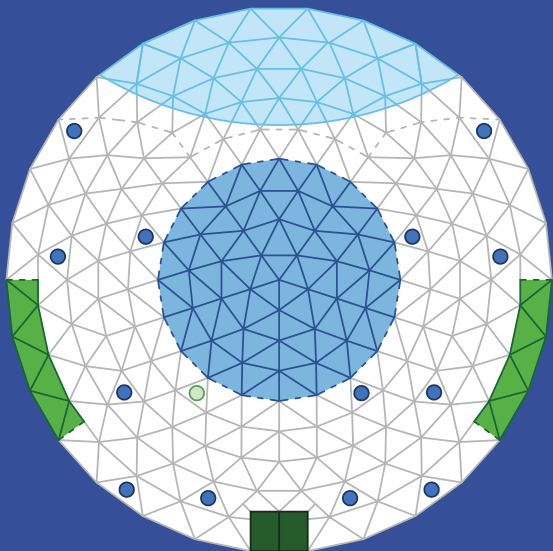
# 44 Foot Dome

- Floor Area**  
1,509 ft<sup>2</sup>
- Ceiling Height**  
22 ft
- Bay Window**  
15 ft tall x 30 ft wide
- Dome Weight**  
4,303 lbs.
- 12 Round Windows**  
2 ft diameter
- Assembly Time**  
10 to 18 hours with a crew of 4



# 60 Foot Dome

- Floor Area**  
2,800 ft<sup>2</sup>
- Ceiling Height**  
30 ft
- Bay Window**  
20 ft tall x 48 ft wide
- Dome Weight**  
6,170 lbs.
- 14 Round Windows**  
2 ft diameter
- Assembly Time**  
10 to 20 hours with a crew of 4



- |  |  |
|--|--|
|  <b>Bay Window</b> (optional zip-off) |  <b>Door Frame</b> (optional diamond door)  |
|  <b>Zip-Off Roof</b> (optional)       |  <b>Base Roll-Up</b> (optional base screen) |
|  <b>Windows</b> (optional screens)    |  <b>Stove Vent or Solar Fan</b> (optional)  |







# Why Geodesic Domes?

Domes are nature's own geometry and provide a unique environment for every use. Since 1980, Pacific Domes has perfected the function and beauty of portable Geodesic Domes. We combine the sacred geometry developed by R. Buckminster Fuller with our progressively designed covers to bring you this futuristic structure.



**Energy Efficient**



**Easy to Assemble**



**Portable**



**Structurally Sound**



**Holds Heavy Snow Loads**



**Handles High Winds**



# Dome Uses

**FAMILY DWELLINGS**  
**ART STUDIOS**  
**YOGA STUDIOS**

**GUEST HOUSING**  
**DANCE SPACE**  
**SPAS & POOLS**

**ECOVILLAGES**  
**WORKSHOPS**  
**BIODOMES**





*"Domes are the strongest, lightest and most efficient means of enclosing space yet known to man." — R. Buckminster Fuller*





*"You do not need to struggle to change an old paradigm. Just create a new model and make the old one obsolete."*

*— R. Buckminster Fuller*



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**DWELL DOMES**  
**PACIFIC DOMES™**

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