

Innovative. Adaptable. Grounded.



Utility Carport System

The SFUSA® UT-Gen I Carport is the ideal hybrid solar racking solution for residential projects. Solar Foundations' versatile fixed tilt structure can be elevated to serve as a carport, utility storage structure or as a general canopy. Our durable design permits the carport system to be installed on uneven ground or in areas that have minor slopes over the entire width of the structure. The existing material and equipment used for the SFUSA® Ground Mount structure are also employed for the SFUSA® UT-Gen I Carport, allowing Solar Foundations' installation crews to install the elevated system quickly and efficiently. Typical tilts for the utility carport range from 5 to 10 degrees to keep the north posts around a maximum height of 10 feet.

Features

Custom X-Bracing is placed in a reduced width center bay to optimize the functionality of the structure.

Solar Foundations has developed processes and equipment that permits the installation of our patent pending ground screws in any soil conditions including solid rock.

Our patented rail design offers a simple, yet durable connection detail between the panel support rail and the horizontal support beams.



√ Complete structural drawing packages
available, including wet stamped seals
that can be submitted with your permit
package

✓ High-grade steel fully galvanized in accordance with ASTM standards and high-strength aluminum alloys



✓ Customs layouts are available

✓ Each structure is designed specifically to meet/exceed local building codes

✓ 25-year guarantee against failure





Let us simplify your utility carport process.

Substructure Assembly

Horizontal Support Beam



We provide maximum support Our for our structure by utilizing desi high yield strength hollow ada structural steel sections on mat our racking systems.

Diagonal Wind Brace and Insert



Our patented telescopic design allows quick and easily adaptable length changes to match installation conditions.

Diagonal Wind Brace Column Connector



Solar Foundations' hot-dipped galvanized custom Wind Brace Column Connectors fasten the Diagonal Wind Brace to a vertical column.

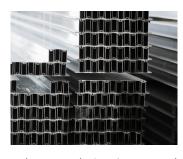
Column Caps



Our unique design allows a straightforward connection to the horizontal steel support beam.

Racking Assembly

Ground Mount Rail



Solar Foundations' patented rail design offers a simple connection detail between the panel support rail and the horizontal support beams, allowing 6 modules per column in landscape orientation.

Module End Clamp



Our end clamp design securely fastens the top and bottom edges of a column of solar panels to the SF Rail.

Module Mid Clamp



The mid clamp fastens two adjoining solar panels in a column of solar panels to the SF Rail. Our sleek design with multiple serrations increases the holding power of the modules to our SF Rails.

Grounding



Our UL 2703 Certification encompasses the rail to beam and beam to pile connections, permitting the use of a single grounding lug for the entire racking system.

The solar modules act as the carport roof. While this provides the desired shading and significant protection from rain, the system is not intended to be waterproof. Thus, the utility carport does allow some water and sunlight to pass through the small gaps between the panels.

Contact us at info@solarfoundationsusa.com or (855) 738-7200.

