



# Solar Foundations<sup>®</sup> USA

*Innovative. Adaptable. Grounded.*



SFUSA<sup>®</sup>

**Ground Mount**

# Adaptable Ground Screw Fixed Tilt System

The SFUSA® Ground Mount system is the optimal solution for residential and light commercial solar projects. By custom designing and manufacturing components in-house, Solar Foundations' structure fits and functions together seamlessly, installs in far less time and with greater strength. The highest quality materials such as high-grade steel fully galvanized in accordance with ASTM standards and high-strength aluminum alloys for our panel support rails are utilized for long-term durability. Designed to withstand high snow and wind areas, the UL 2703 classified system has an expected lifespan that exceeds multiple panel lifecycles. Thus, Solar Foundations' product maximizes the residual investment of your ground mount structure.

## Features

Solar Foundations' patented rail design offers a simple connection detail between the panel support rail and the horizontal support beams.

The patented telescopic design of the SFUSA Wind Brace allows quick and easily adaptable length changes to match installation conditions where significant adjustability is required.

A two-man crew can typically install up to about a 25kW residential structure in a single day.

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

Our foundations feature wider spans between support columns and stronger members. We engineered our system to obtain a better balance between all of the system components, resulting in less ground penetrations, a lower installed cost and has allowed us to offer further cost optimizations and array configurations that are not typically available in the industry.



- ✓ Allows for mounting panels in four-, five- or six-high in landscape orientation and can be adapted to custom configurations
- ✓ Durable design enables any wind speed and snow load
- ✓ 0° to 40° tilt with multiple inter-row spacing options
- ✓ Compatible with a wide range of modules
- ✓ Pile verification report available after the installation has been completed
- ✓ 25-year guarantee against failure



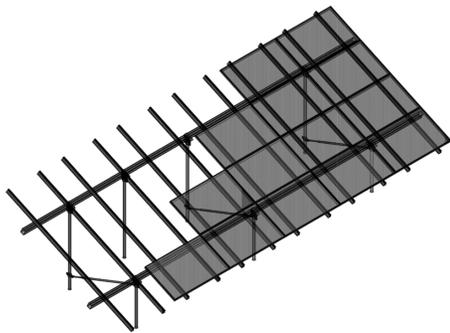
SFUSA®

Ground Mount

Let us simplify your **ground mount** structure process.

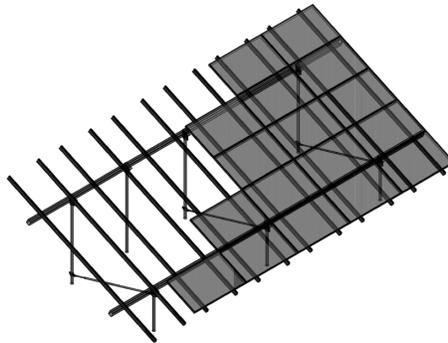
**FT4L**

**Fixed Tilt 4 Landscape**



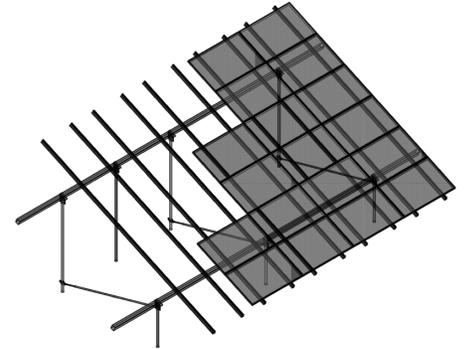
**FT5L**

**Fixed Tilt 5 Landscape**



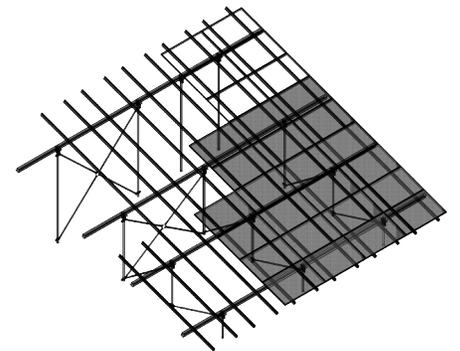
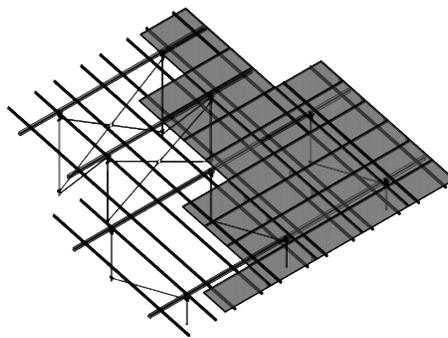
**FT6L**

**Fixed Tilt 6 Landscape**



**Custom**

SFUSA® has the ability to come up with creative structures and products outside of our standard systems for unique situations.



<b>Materials</b>	Hot-dipped galvanized steel, aluminum, stainless-steel mounting hardware
<b>Tilt Angle</b>	0° - 40°
<b>Module Orientation</b>	Landscape
<b>Finishes</b>	Galvanized
<b>Foundation Options</b>	Ground Screw - All soils including rock drilling
<b>Grounding</b>	Integrated or WEEB Bonding
<b>Maximum Grade of Terrain</b>	15°
<b>Design Services</b>	Signed & sealed structural drawings
<b>Certifications</b>	UL 2703
<b>Warranty</b>	25 years
<b>Installation Services</b>	Material, foundations, racking

**LESS PILES**  
LARGER SPANS

**UP TO 15°**  
TERRAIN SLOPES

We're more than just a racking company.

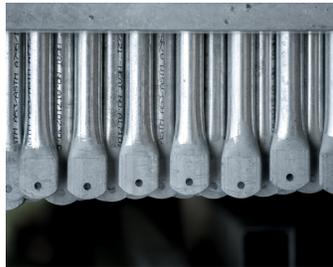
## Substructure Assembly

### Horizontal Support Beam



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

### Diagonal Wind Brace and Insert



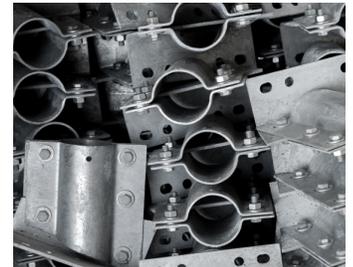
Our patented telescopic design allows quick and easily adaptable length changes to match installation conditions.

### Diagonal Wind Brace Column Connector



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

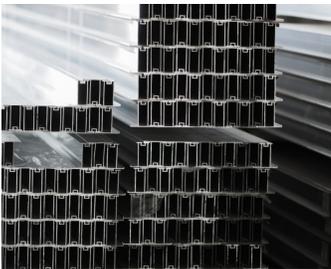
### Column Caps



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.

Contact us at [info@solarfoundationsusa.com](mailto:info@solarfoundationsusa.com) or (855) 738-7200.