

# The *Solar Light*

“The Dry House” clear span truss greenhouses by:



*The Solar Light is well known for it's value in high volume production facilities. It is the best house for valuable crop production and is used extensively for propagation, research & development, education, and retail installations.*



# Why a Solar Light Greenhouse?



Today's greenhouse must be a high-tech plant production facility. Precision control and efficiency are required to produce a better quality product in a shorter amount of time. Growers must have an advantage over foreign competition. This can only be accomplished by producing a better quality product and by getting the most possible out of the greenhouse.

The Solar Light has room and the strength to take advantage of all the labor and energy saving innovations on the market: Energy curtains, watering booms, lighting, heating, vent equipment, benching, and transportation systems, any combination of which may be needed to optimize the space and labor available.

Widths of 18', 24', 30', 36', 42', and 50'.  
Eave heights of 8', 10', 12', 14'.

Other widths and eave heights are available upon request.

Design loads of 10# live to 50#+ snow are available for IBC, CBC, and UBC in agricultural or commercial/retail.



Large gutter connected Solar Lights have enough space to move people, product, and carts through, a big labor and time savings.

The Solar Light Greenhouse is perfect for Hydroponic Growing systems.

The Solar Light is as beautiful as it is functional. Here a house has been retrofitted to fit into an elegant resort setting.



The Solar Light is used extensively for plant processing and head houses:

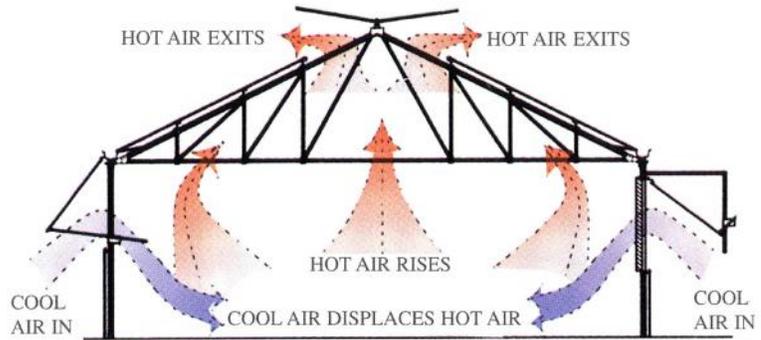


Located on the island of Anguilla, in the British West Indies, this Solar Light has withstood over 125mph winds with no damage to the structure.

## 6:12 Roof Pitch

The advantage of the Solar Light 6:12 peak is threefold.

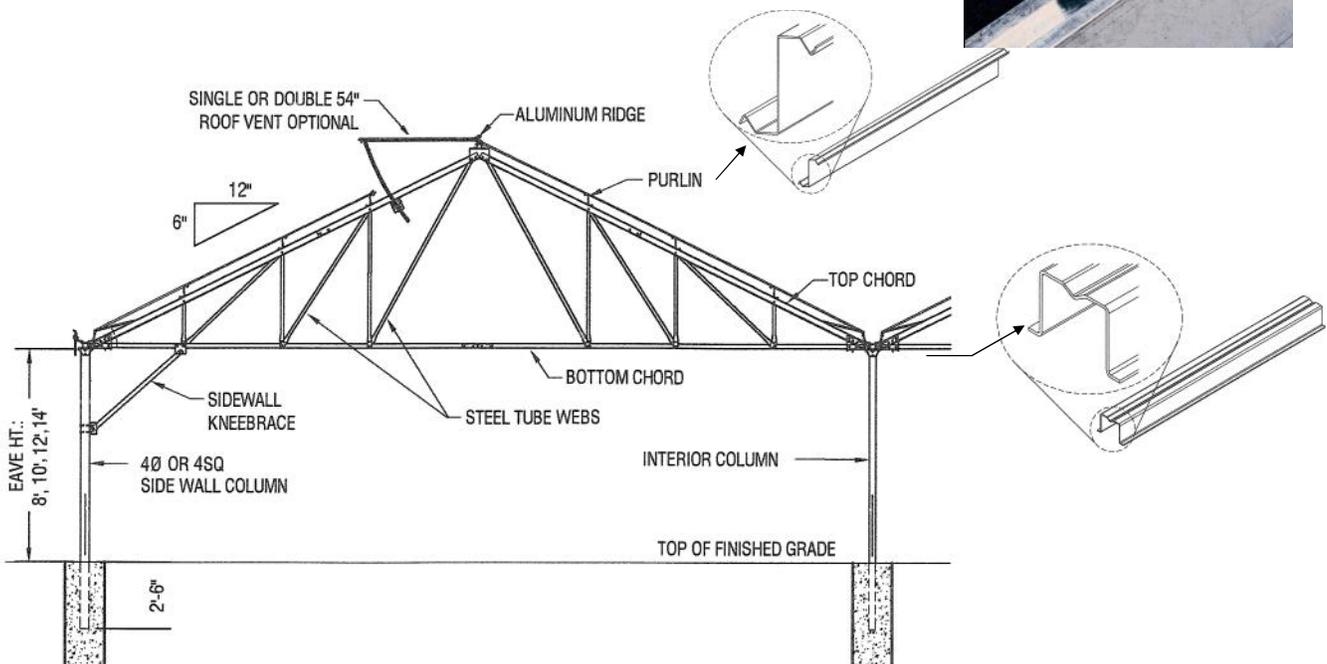
- 1) 6:12 Roof pitch causes the condensation that forms on the inside of the roof panels to run down the panels rather than drip onto the crop.
- 2) Increased air mass in the roof keeps the temperature inside the greenhouse cooler in the summer and more stable all year.
- 3) Tall peak makes the Solar Light roof vent very effective at venting the hot air out of the greenhouse.



## Built-in Condensation Control

### The Solar Light is the “dry house”

We call it the dry house because the condensation does not drip like other greenhouse designs where condensation control was not incorporated into the design. The Solar Light roof system collects condensation from the inside of the roof and channels it outside the greenhouse, not on your plants. The purlins have a specially formed channel to collect the condensation. From there, the water drops to the special “v” in the top chord and travels down and into the gutter.





# Agra Tech, Inc. *“Best in the West”*

Agra Tech has been voted *“Best in the West”* by commercial greenhouse operators in all 6 categories surveyed:

- Value for dollars spent
- Knowledge of sales personnel
- Technical Competence
- Overall reputation
- Innovation in design
- Service

This is why 7 of the top 10 and 43 of the top 100 growers use Agra Tech products.

And, with 35 years experience building and supplying greenhouses, Agra Tech has formed solid relationships with the most desirable vendors in the industry. Take advantage this experience and buying power.

## Equipment and Accessories to Complete your Growing System

### Structures:

Greenhouses, Head Houses, Research Facilities, Retractable Roof Structures, Shade houses, Soil Storage, Screen Covers, Tunnels, and more.



**Benching:** Rolling, Stationary, Caster, and Tray benches with Expanded metal or Ebb & flow tops, for production, retail, or research.

### Water Booms

### Crop Transport

### Installation



**Control Systems:** Ridder, Link4, Argus Computers.



**Natural Ventilation:** Roof vents, wall vents, Roll up Walls, Drop walls.



**Fan & Pad cooling:**  
Acme Engineering



**Heating:** Unit heaters to boilers for overhead, bench top or under bench heating. Hot air or hot water.

**Coverings:** Poly, Polycarbonate or Acrylic. Corrugated, Twin walled, Triple walled. Painted Sheet Metal.



**Curtains:** Interior or Exterior.



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