

# BIG FOOT

## FLAT ROOF PV MOUNTING SYSTEM



A fully integrated roof using Atlantis Big Foot is saving an owner 1,250 to 1,750 kWh of electricity annually.

**“I think the environment should be put in the category of our national security. Defense of our resources is just as important as defense abroad. Otherwise what is there to defend?”**

*Robert Redford*

**Advisory Partners:**

**World Technology Corporation**



**The “Plug & Play” Mounting System takes 2 men approx. 20 minutes per kW to install with no special labor needed except at main breaker / utility connection.**

Big Foot is a flat roof PV mounting system that is easy to install and maximizes power production. The use of a patent – pending, interlocking module-inverter rack mounting structure allows for minimal blasting or roof penetrations. The horizontal cross tubing connects the modules to the rack structure on a slight tilt that allows the panels to ventilate and maximize power output. Big Foot mounting structures are made of long-lasting, heavy-duty aluminum and industrial grade, coated or stainless steel.

Big Foot is the ideal, simple and cost-effective solution for the owner, architect and planner who demands functionality and power production out of a roofing system. The system is simple and easy to assemble and install which makes the project more affordable for the owner as seen in reduced manpower hours during construction.

### BIG FOOT: Maximizes Sun Power

- **Higher energy production:**  
Facing the sun and tilting the array 5° generates up to 4% more energy than a flat array.
- **Cooler temperatures:**  
The tilt allows natural convection to cool the array. This improves efficiency & lengthens the equipment’s operating life.
- **Cleaner Module Glass:**  
Tilted modules allow drainage & no sediment deposits on the modules thus providing better energy efficiency.

### Why Big Foot PV Mounting Systems?

<b>Fast to Install</b>	<b>2 men, 20 Minutes/kW</b>
<b>Easy to Install</b>	<b>No special labor needed. (Except main breaker)</b>
<b>Big Foot = Light Weight</b>	<b>4 lbs. per square foot on the roof</b>
<b>Easy mount mechanical &amp; electrical systems.</b>	<b>Module is mechanically-secured &amp; then connected electrically.</b>
<b>Plug &amp; Play Components</b>	<b>Pre-manufactured Cables &amp; Wires</b>



Installing the Big Foot is easy with the Rack System and can be used as a retrofit assembly on any roof. (Above Mounted on a typical tiled roof)



Install manual available upon request. Call us for Pricing & Dealer Info.

**FOR MORE INFORMATION**

about energy efficient, sustainable design & photovoltaics, call or e-mail Atlantis Energy Systems. [www.atlantispv.com](http://www.atlantispv.com)



WHY BIG FOOT?	Big Foot	Competition
<b>Product – Solar electric package system</b>		
Self-cleaning module	Yes	No
Large module (over 20 sq.ft.)	Yes	No
No installation tools required	Yes	No
One roof penetration	Yes	No
Can be installed with any conventional roofing material	Yes	No
No special electrical education needed	Yes	No
No special roofing education needed	Yes	No
All connectors and wires are pre-manufactured	Yes	No
All connections are hidden	Yes	No
Easy for system disassembly	Yes	No

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**Wiring Systems (Patent Pending)**

The Big Foot PV wiring system is a simple plug together system, pre-manufactured and requiring no installation tools. This remarkable system is extremely safe and does not require a certified electrician to make rooftop connections.

To comply with local building codes, each Big Foot module uses an internal wire raceway providing ease of installation and an aesthetically pleasing appearance.



Each 100 ft.<sup>2</sup> of roof space will accommodate 1 kW<sub>p</sub> of installed Big Foot capacity. In the U.S., an average annual yield of 1,250 – 1,750 kWh of electricity.

**Greenhouse Gas Avoided**  
**CO<sub>2</sub> – 1,750 lbs – 2,450 lbs per 100 sqft**

According to the USEPA estimate (2003, 1.4lbs of CO<sub>2</sub> is released in the production of 1 kWh of electricity

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