



*Carport structure designed by Gossamer Space Frames

Carport Economics Beat Solar on Rooftop

For the first time, carport solar project economics beat 10° fixed-tilt rooftop economics through the combination of PV Booster™ and our proprietary* ultra light-weight carport structure. PV Booster's 30% gain in energy production effectively pays for the carport structure.

Low-Cost, Easy-To-Install

This carport has a unique aluminum truss structure providing exceptional strength and easy installation without cranes. Structure rests on ballast or can be installed on a foundation.

Flexible Modular System

The design allows for unparalleled flexibility for all types of spacing configurations. Structure spans up to 66 feet between posts. Handles both 60 and 72 cell panels.

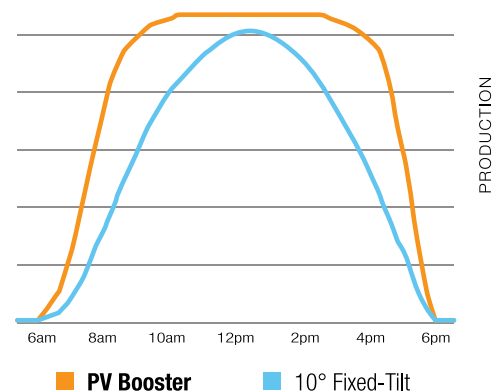
Revolutionary Carport Performance

Solar tracker continuously points commercial rooftop PV modules at the sun to generate more energy than conventional fixed-tilt racking. Generates 30% more energy.

Built for Reliability and Low O&M

Low voltage DC direct-drive, brushless motor with 30 year life. High reliability as design eliminates gearbox. Durable mechanical system made of aluminum and stainless steel for long life.

PV Booster Generates 30% More kWhr/Year Than Conventional Fixed-Tilt Systems



Source: NREL PVWatts® and Edison Microgrids, Inc.



Energy Gain	30% typical vs. 10° fixed-tilt
Tracking System	Dual-axis azimuth-altitude, inclination to 45°, stows flat
Tracking	Each module tracked independently
Modules	Compatible with all 60 and 72 cell panels
Drive System	Enclosed low voltage brushless DC motor without gearbox
Grounding	Once per array
Materials	Aluminum, stainless steel and HDG structure
Dimensions	Stowed 1,270mm W x 1,170mm D x 254mm H
System Weight	2 lbs. per square foot
Wind Performance	ASCE 7-10 compliant
Ground Coverage Ratio	Adjustable to site conditions and shading optimization, generally .35 to .50
Control & SCADA Interface	Central control with IP access – SCADA compatible
Certifications	Meets UL specs – certification pending
Annual Maintenance	Minimal preventative maintenance
Warranty	10 year with extended warranty available



The PV Booster technology was developed by Edisun Microgrids, Inc. and is the brainchild of Bill Gross, founder of renowned technology incubator, Idealab. Bill has founded many innovative companies including several in solar energy such as eSolar®, RayTracker™, Thermata™, and E.I. Solutions™. With its patented technology, Edisun Microgrids is poised to fulfill the commercial industry’s unmet need for solar energy.

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