PV Booster™

Dual-Axis Tracker from Edisun Microgrids

Boost Project Economics by 20%

PV Booster is the industry's only rooftop solar tracker. The dual axis provides daily and yearly solar tracking, following the sun until it sets and adjusting when seasons change. This means you get the most out of each panel. This is big news for commercial and industrial building owners. PV Booster increases project ROI, improves building value by reducing operating expenses. An innovative approach to get more value out of the same panel. Make more with less.

Carport structure designed by Gossamer Space Frames

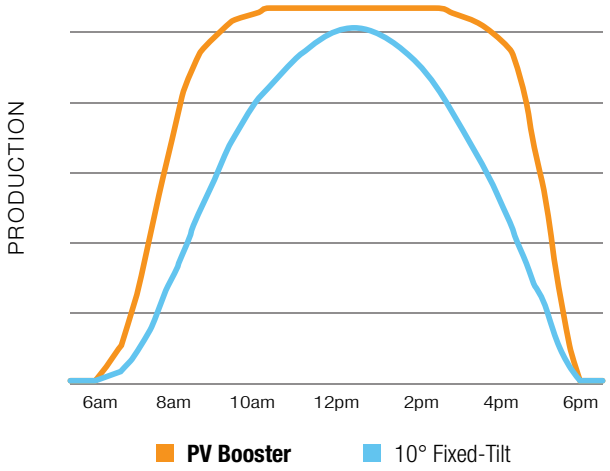
The Benefits of Dual-Axis Tracking

The PV Booster dual-axis solar tracker boosts your energy production all day no matter when it is or where you are. Solar panels are expensive. Get more value out of each panel by producing more power and buying less equipment. With the introduction of PV Booster dual-axis tracking, the well-known benefits of ground-mount tracking can go anywhere.

PV Booster follows the sun using a method known as “azimuth-altitude” tracking where its primary axis is vertical to the ground. This allows the tracker to move freely and stow during high winds to protect your investment in solar. The result is 30% more energy per panel over permanently fixed racking systems. PV Booster attaches to the roof using any number of roof attachments sold or approved by major roof membrane manufacturers.

PV Booster generates 30% more kWhr/Year

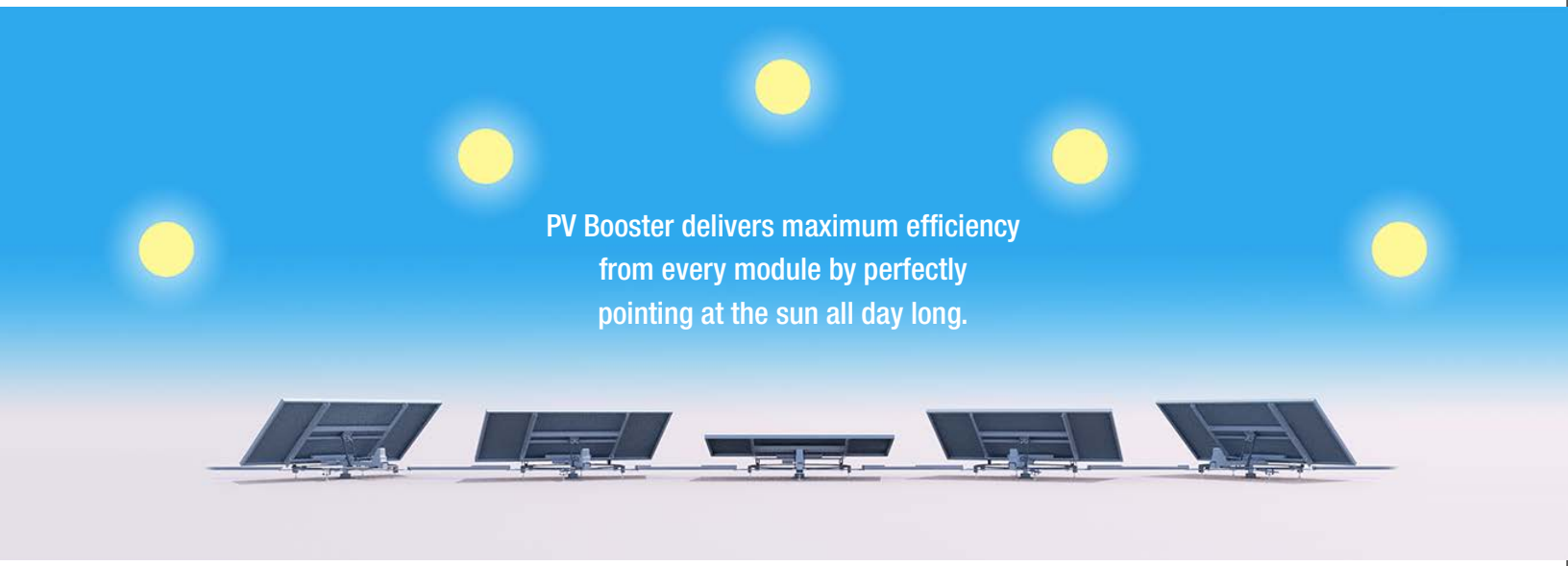
Energy Generation Comparison



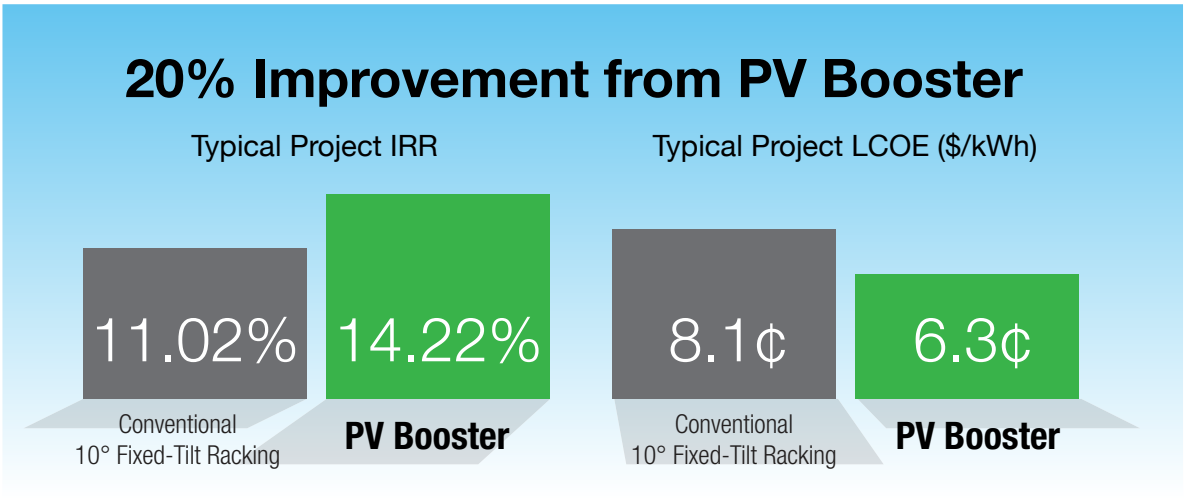
Source: NREL PVWatts ® and Edisun Microgrids, Inc.

TOU Rates

PV Booster captures more energy on the shoulders of the day when time of use rates are the highest. Those gains reduce time-of-use (peak) charges from utilities for many commercial utility customers making your kWh's more valuable.



Boost Your Project Economics



Modelled with NREL PVWatts(R)/Sandia reference algorithms and Edisun Microgrids, Inc. proprietary performance data. IRR rates are unlevered.

As competition for PV projects increases, boosting project economics is critical. The PV Booster dual-axis tracker does just that by taking the well-known benefits of ground-mount solar tracking to rooftops and carports. The result is PV Booster generates 30% more energy for the same installed nameplate capacity. Alternatively, you can lower the system's power, and decrease your capital investment, yet generate the same annual energy production. Both approaches lower the cost of the resulting energy and improve commercial solar project economics.

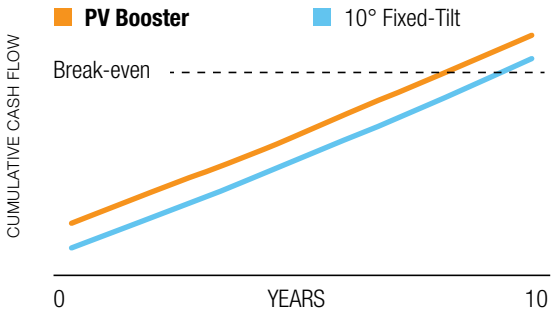
"We have been able to use PV Booster to open new markets and push marginal projects over the line to make the numbers work."

— Stephen Gates, President

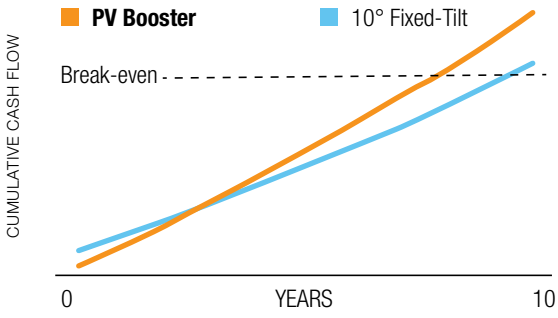
neighborhoodpower
BE THE SOLUTION

The 30% gain in energy dramatically improves commercial solar economics.

Same Energy Alternative (kWh)



Same Power Alternative (kWp)



PV Booster is Lightweight, Easy to Install and Reliable

Low voltage DC direct-drive, brushless motor with 30 year life. No gearbox ensures high reliability.

Durable, lightweight mechanical system made of aluminum and stainless steel for long life. Automatically stows module in high wind conditions to profile lower than 10 degree tilt racks.

The PV Booster dual-axis solar tracker optimizes energy capture throughout the day regardless of the time of day, latitude or time of year.

PV Booster's Dual-Axis Tracking Keeps the Module Pointed to the Sun

Modular. interlocking system minimizes bolts for easy installation even in varying roof conditions. Roof attachments are adjustable to site conditions.

Plug-and-go array controller and monitoring is compatible with SCADA systems.

Integrated wire management system reduces connections.

Solar modules are the largest component cost of all PV systems. Continuously pointing them directly at the sun improves the bottom line.

PV Booster Technical Specifications

www.edisun.com

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 DC motor without gearbox
Grounding	Once per array
Certifications	Meets UL and CE (pending)
System Weight	2 lbs. per square foot without ballast
Wind Performance	ASCE 7-10 compliant
Materials	Aluminum and stainless steel
Warranty	10 year with extended warranty available

Bill Gross
Founder and CEO

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

Edisun Microgrids™

Edisun Microgrids, Inc.
130 West Union Street, Pasadena, CA 91103
626-585-6900 | **www.edisun.com**