

First Solar Series 6™ Thin Film Modules

NEXT GENERATION SOLAR TECHNOLOGY



Higher Energy Yield. Lower LCOE. Superior Return.

First Solar Series 6™ photovoltaic (PV) modules deliver the highest power output for large-scale solar projects. This landmark module features our proven thin film technology to deliver more energy, more efficiently than ever before. For asset and power generation owners, engineers and installers, this means more power per module, reduction of balance of system costs and enabling a lower Levelized Cost of Electricity (LCOE) for a superior return on investment.



NEW DESIGN MEANS MORE BENEFITS FOR YOUR BOTTOM LINE

The Series 6 thin film module was developed using over a decade of engineering expertise and a track record of more than 17 gigawatts (GW) of modules produced. This experience, combined with input from customers and industry experts allows us to provide our proven module technology in a larger form factor with a more economical design. The results deliver more benefits and cost-efficiencies for your application, including:

More Watts Per Module

These easy-to-install, thin film modules deliver more watts per connection (420+ watts) than 72-cell silicon modules (<400 watts).

Reduced Shipping Costs

The under-mount frame is designed to enable a horizontal stacking configuration, optimizing shipping density, reducing breakage and minimizing waste.

Best Environmental Profile

With the smallest CO₂ footprint, lowest water use and fastest energy payback, Series 6 modules are the industry's most eco-efficient PV solution.

Reduced Maintenance Costs

The innovative under-mount frame design provides the cleaning benefits of a frameless module.



INNOVATIVE
UNDER-MOUNT FRAME



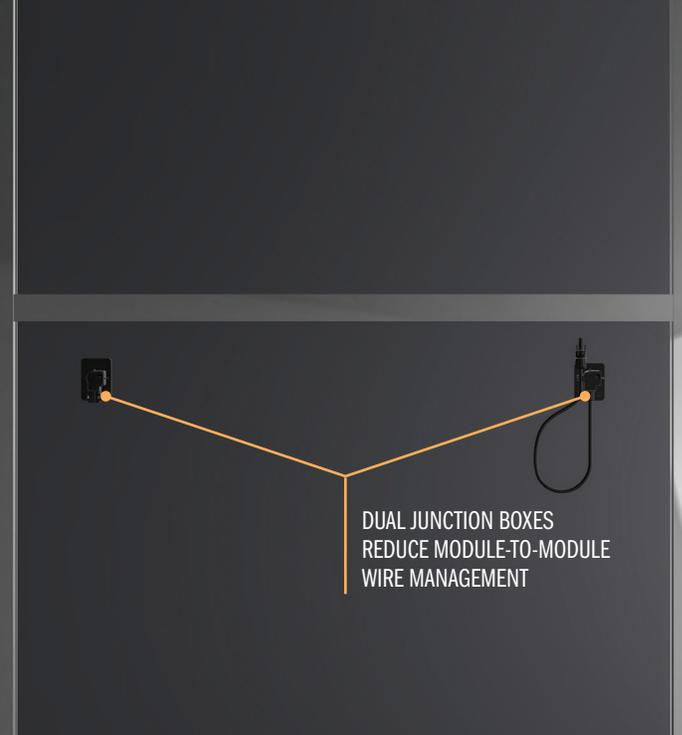
HIGHEST POWER,
MOST WATTS PER MODULE



MOUNTING SLOT ALLOWS FOR QUICK INSTALLATION

LOWER INSTALLATION COSTS

Series 6 modules are designed for a quick and easy, two-person installation. The under-mount frame allows for versatile mounting to common fixed-tilt and tracking systems to minimize onsite engineering to reduce material costs, while enabling more watts per lift. Additionally, the dual junction box design eliminates the need for wire management for module-to-module connections.



DUAL JUNCTION BOXES REDUCE MODULE-TO-MODULE WIRE MANAGEMENT

MORE ENERGY IN REAL WORLD CONDITIONS

First Solar Series 6 modules offer exceptional performance that delivers on the financial promise of your project, with:

More MWh per Installed MW

Series 6 modules deliver up to 8% more energy per watt installed than conventional silicon modules in many climates.

Superior Temperature Coefficient and Spectral Response

Our innovative thin film technology features a low temperature coefficient of $-0.32\%/^{\circ}\text{C}$, resulting in more annual energy, especially in hot climates.

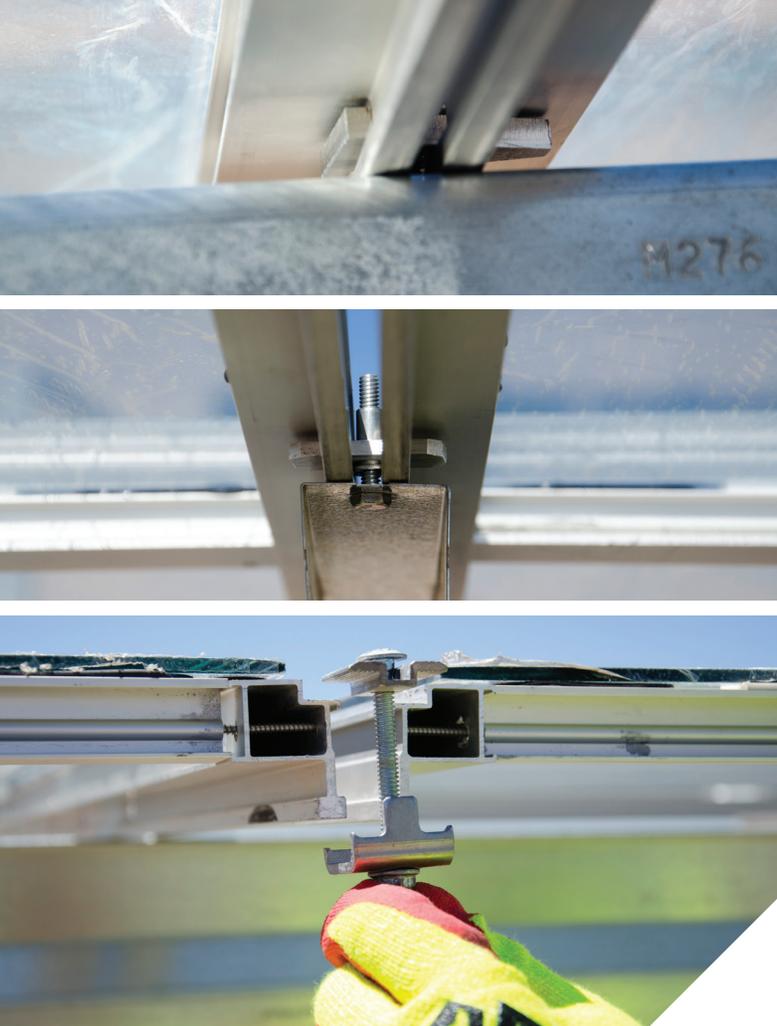
First Solar modules are also less sensitive to the reductions of specific wavelengths of available light in humid climates. As a result, these modules have a superior spectral response behavior compared to c-Si modules that translates into up to 4% more annual energy in high humidity conditions.

Better Shading Response

Series 6 modules are less sensitive to power loss from shading through their unique cell design. With Series 6, only the shaded area is impacted; typical silicon modules turn off disproportionately large portions due to their electrical design.

Industry-Leading Long-Term Reliability

First Solar Series 6 modules are built with methods and processes adapted from Series 4, one of the most tested solar modules in the industry. This technology is independently tested and certified for reliable performance beyond IEC standards in high temperature, high humidity, extreme desert, coastal applications, and passes the industry PID tests to ensure robust performance in the harshest environments.



THE ADVANTAGE OF COLLABORATIVE DESIGN

Developing next-generation technology required a next-generation approach. First Solar launched an extensive listening campaign with leading mounting structure providers, our partners in the field, to identify controlling factors that would help define maximum watts-per-lift while retaining two-person installation teams. We also turned to these partners for direct input on every aspect of the module to ensure we designed and built a superior product for the market.

The result is a module that will have among the lowest costs per-watt-installed in the market, optimized for more than 40 fixed-tilt and tracker mounting systems.

40+ STRUCTURE PROVIDERS
With more on the way!

FIRST SOLAR IS YOUR PROVEN ENERGY PARTNER

At First Solar, innovation is at the core of everything we do. Through an unwavering commitment to research and development we are continually discovering new and inventive solar energy solutions, while making today's PV technologies more efficient. Our Series 6 modules are the latest technological achievement in our long history of industry advancements.

As your energy partner, we maintain a strong balance sheet that is backed by a lengthy track record of meeting or exceeding performance expectations. That is why First Solar solutions are widely recognized as the most bankable in the industry.

MIT TECHNOLOGY REVIEW

TOP 50
2017 SMARTEST
COMPANIES



SECURE YOUR NEXT GENERATION OF ENERGY PROFITABILITY

Learn how First Solar Series 6 modules will deliver a superior return on your energy investment with higher yields, reduced risk and a lower LCOE. For more information, contact us and let's start the conversation.

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