First Solar Series 6™
NEXT GENERATION THIN FILM SOLAR TECHNOLOGY

HIGH-POWER PV MODULES
First Solar Series 6™ photovoltaic (PV) module sets a new industry benchmark for reliable energy production, optimized design and environmental performance. Series 6 modules are optimized for every stage of your application, significantly reducing balance of system, shipping, and operating costs.

MORE ENERGY PER MODULE
- More watts per connection and per lift (up to 450 watts) than 72-cell silicon modules
- With superior temperature coefficient, spectral response and shading behavior, Series 6 modules generate up to 8% more energy per watt than conventional crystalline silicon solar modules
- Anti-reflective coated glass enhances energy production

INNOVATIVE MODULE DESIGN
- Under-mount frame provides the cleaning and snow-shedding benefits of a frameless module while protecting edges against breakage
- Innovative SpeedSlots™ combine the robustness of bottom mounting with the speed of top clamping while utilizing fewer fasteners to achieve fastest installation times and lowest mounting hardware costs
- Dual junction box optimizes module-to-module connections and eliminates need for wire management

BEST IN-CLASS RELIABILITY & DURABILITY
- Manufactured under one roof with 100% traceable QA/QC
- Independently tested and certified for reliable performance that exceeds IEC standards in high temperature, high humidity, extreme desert and coastal applications
- Inherently immune to and warranted against hidden cell cracking power loss
- Durable glass/glass construction with market-leading hail impact certification

BEST ENVIRONMENTAL PROFILE
- Fastest energy payback time in the industry
- Produced using up to 6x less carbon and up to 24x less water than c-Si
- Global PV collection and recycling services available through First Solar or customer-selected third-party

420-450 Watts
17%+ Efficiency

INDUSTRY-LEADING MODULE WARRANTY
98%  WARRANTY START POINT
0.5%  WARRANTED ANNUAL DEGRADATION RATE

- 25-Year Linear Performance Warranty
- 10-Year Limited Product Warranty
- Industry’s First and Only Hidden Cell Cracking Warranty
MECHANICAL DESCRIPTION

Length 2009mm
Width 1232mm
Thickness 49mm
Area 2.47m²
Module Weight 34.5kg
Leadwire 2.5mm², 720mm (+) & Bulkhead (-)
Connectors MC4-EVO 2 or TE Connectivity PV4-S
Bypass Diode N/A
Cell Type Thin film CdTe semiconductor, up to 264 cells
Frame Material Anodized Aluminum
Front Glass Heat strengthened
Back Glass Heat strengthened
Encapsulation Laminate material with edge seal
Frame to Glass Adhesive Silicone
Load Rating 2 2400Pa

PACKAGING INFORMATION

Modules Per Pallet 27
Pallet Dimensions (L x W x H) 2200 x 1300 x 1164mm (86 x 51 x 45.8in)
Pallets per 40' Container 18
Pallet Weight 1032kg

Disclaimer
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