First Solar Series 6™
NEXT GENERATION SOLAR TECHNOLOGY FOR DISTRIBUTED GENERATION

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
- 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
- Carbon footprint that is up to 6X lower and a water footprint that is up to 24X times lower than conventional c-Si solar panels on a life cycle basis
- Global PV collection and recycling services available through First Solar or customer-selected third-party
**MECHANICAL DESCRIPTION**

<table>
<thead>
<tr>
<th>Length</th>
<th>Width</th>
<th>Thickness</th>
<th>Area</th>
</tr>
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<tbody>
<tr>
<td>2009mm</td>
<td>1232mm</td>
<td>49mm</td>
<td>2.47m²</td>
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- Module Weight Range: 34.5kg - 36kg
- 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: 2400Pa

**PACKAGING INFORMATION**

- Modules Per Pallet: 27
- Pallet Dimensions (L x W x H): 2200 x 1300 x 1164mm
- Pallet Weight: 1032kg

**CERTIFICATIONS AND TESTS**

- UL 61701 Salt Mist Corrosion
- UL 60068-2-68 Dust and Sand Resistance

**REGIONAL CERTIFICATIONS**

- InMetro
- SII
- FSEC
- MyHijau

**EXTENDED DURABILITY TESTS**

- ANSI/CAN/CSA-C450-18
- Long-Term Sequential Thresher Test
- PID Resistant

**QUALITY & EHS**

- ISO 9001:2015
- ISO 14001:2015
- ISO 45001:2018

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Disclaimer:
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