First Solar Series 4™ PV Module
ADVANCED THIN FILM SOLAR TECHNOLOGY

INDUSTRY BENCHMARK SOLAR MODULES
As a global leader in PV energy, First Solar's advanced thin film solar modules have set the industry benchmark with over 17 gigawatts (GW) installed worldwide and a proven performance advantage over conventional crystalline silicon solar modules. Generating more energy than competing modules with the same power rating, First Solar’s Series 4™ and Series 4A™ PV Modules deliver superior performance and reliability to our customers.

PROVEN ENERGY YIELD ADVANTAGE
• Generates more energy than conventional crystalline silicon solar modules with the same power due to superior temperature coefficient and superior spectral response
• Anti-reflective coated glass (Series 4A™) enhances energy production

ADVANCED PERFORMANCE & RELIABILITY
• Compatible with advanced 1500V plant architectures
• Independently certified for reliable performance in high temperature, high humidity, extreme desert and coastal environments
• Visit PlantPredict.com - The only Energy Prediction Software designed for Utility Scale PV

CERTIFICATIONS & TESTS
• PID-Free, Thresher Test, Long-Term Sequential Test, and ATLAS 25+1
• IEC 61215/61646 1500V, IEC 61730 1500V, CE
• IEC 61701 Salt Mist Corrosion, IEC 60068-2-68 Dust and Sand Resistance
• ISO 9001:2015 and ISO 14001:2015
• UL 1703 Listed Fire Performance PV Module Type 102
• CSI Eligible, FSEC, MCS, CEC Listed (Australia), SII, InMetro

END-OF-LIFE RECYCLING
• Recycling services available through First Solar’s industry-leading recycling program or customer-selected third party.

MODULE WARRANTY
• 25-Year Linear Performance Warranty4
• 10-Year Limited Product Warranty

122.5 WATT MODULE EFFICIENCY OF 17.0%
FIRST SOLAR SERIES 4™
PV MODULE

MECHANICAL DESCRIPTION

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<td>Thin-film CdTe semiconductor, up to 216 cells</td>
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<td>Front Glass</td>
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<td>Back Glass</td>
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SUPERIOR SPECTRAL RESPONSE

![Superior Spectral Response Graph]

1 Device package meets Atlas 25+®
2 Class A Spread of Flame / Class B Burning Brand. Roof mounted fire rating is established by assessing rack and solar module as a unit
3 Limited power output and product warranties subject to warranty terms and conditions
4 Ensures 98% rated power in first year, 0.5%/year through year 25
5 All ratings ±10%, unless specified otherwise. Specifications are subject to change
6 Measurement uncertainty applies
7 UL 1703 1500V Listed / ULC 1703 1000V Listed
8 Application Class A for 1000V (class II), Application Class B for 1500V (class 0) with MC4; Application Class A for 1000V and 1500V (class II) with MC4-EVO 2
9 Multi-Contact: MC4 (PV-KST4/PV-KBT4) or MC4-EVO 2 (PV-KST-EVO 2 / PV-KBT-EVO 2)
10 Higher load ratings can be met with additional clips or wider clips, subject to testing

MECHANICAL DRAWING