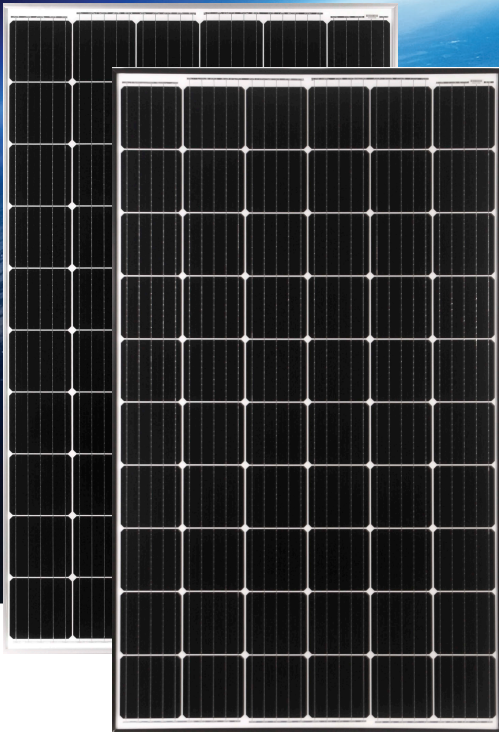


Our Mission is to Power a Thriving Future



We offer solar modules of unsurpassed quality that exceed performance expectations at an affordable price.



Industry-leading efficient monocrystalline silicon PERC cells



High-power-density five-busbar design



Certified PID-free above and beyond the industry standard



Impact resistant, anti-glare solar glass



Full quality check of every module along the production line



25-year power output warranty
12-year workmanship warranty

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ASSEMBLED IN U.S.A.



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ENERGY

Building Solar | Powering The Future

Itek SE 60-Cell Module

Design & Engineering Data



GENERAL DATA

Cell Type	<ul style="list-style-type: none"> 60 high-efficiency monocrystalline p-type cells 6 x 10 cell matrix
Solar Glass	<ul style="list-style-type: none"> Ultra-clear anti-reflective treatment Tempered, with low iron content Anti-glare prismatic subsurface texture
Backsheet	<ul style="list-style-type: none"> Multi-layered Engineered adhesion for maximum weather protection
Frame	<ul style="list-style-type: none"> 40mm High-strength corrosion-resistant anodized aluminum Compatible with standard racking, accommodating both top-down clamps and bottom-flange mounting
Temperature	90°C 12AWG PV wire
Electrical	3 bypass diodes • 1000 VDC MC4 connectors
Grounding	<ul style="list-style-type: none"> Certified for Wiley Electronics WEEB™ grounding clips Eight standard grounding locations per module for reduced ground wire length

QUALIFICATIONS

IEC 61215	Type 1
IEC 61730	500+ hours
UL 1703	
ARRA, BAA, and TAA Compliant	

ELECTRICAL DATA*

	290 SE	295 SE	300 SE	305 SE	310 SE
Maximum Power - P_{MAX} (Wp)	290	295	300	305	310
Maximum Power Voltage - V_{MPP}(V)	32.6	32.8	32.9	33.1	33.2
Maximum Power Current - I_{MPP}(A)	8.8	8.9	9.0	9.1	9.2
Open Circuit Voltage - Voc(V)	39.5	39.7	39.8	40.0	40.1
Short Circuit Current - Isc(A)	9.5	9.6	9.7	9.8	9.9
Module Efficiency	17.29%	17.59%	17.89%	18.19%	18.49%



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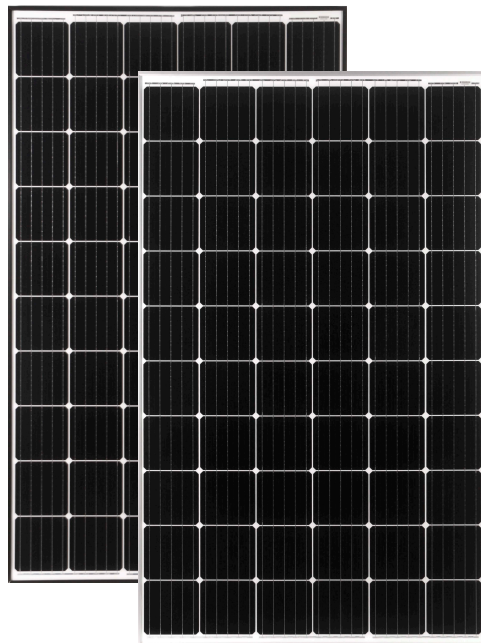
CERTIFIED MADE IN WASHINGTON



ARRA, BAA, and TAA Solar Project Compliant



TUVRheinland



MECHANICAL DATA

Dimensions	1001mm x 1675mm x 40mm
Weight	41lbs/18.6kg

MAXIMUM RATINGS

Operational Temperature	-40...+90°C
Maximum System Voltage	1000 VDC
Maximum Wind Speed	113 psf (5400pa)
Maximum Current	15A
Maximum Current	15A

TEMPERATURE RATINGS

Nominal Operating Cell Temperature (NOCT)	45.01°C
Temperature Coefficient of P_{MPP}	-0.39%/°C
Temperature Coefficient of Voc	-0.29%/°C
Temperature Coefficient of Isc	+0.04%/°C
Temperature Coefficient of V_{MPP}	-0.38%/°C

*Electrical characteristics may vary within ±2% of the indicated values at Standard Test Conditions (STC): Irradiance of 1,000W/m², AM 1.5 spectrum, cell temperature at 25°C.

Note: specifications subject to change without notice.

V 06/07/18

