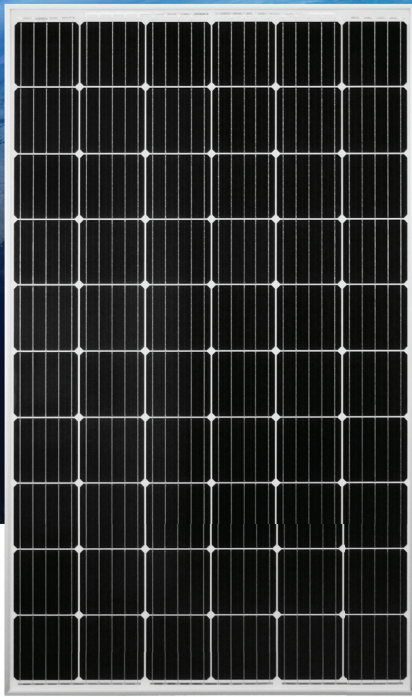


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We offer solar modules of unsurpassed quality that exceed performance expectations at an affordable price.



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High-power-density five-busbar design



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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
Cable	<ul style="list-style-type: none"> 90°C 12AWG PV wire
Junction Box	<ul style="list-style-type: none"> 3 bypass diodes 1000 VDC MC4 connectors Tigo TS4
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

Fire Rating	Type 1
PID Free	500+ hours

ARRA, BAA, and TAA Compliant

ELECTRICAL DATA*

	295 SE	300 SE	305 SE	310 SE	315 SE
Maximum Power - P _{max} (Wp)	295	300	305	310	315
Maximum Power Voltage - V _{MPP} (V)	32.8	32.9	33.1	33.2	33.3
Maximum Power Current - I _{MPP} (A)	8.9	9.0	9.1	9.2	9.3
Maximum Circuit Current - I _{max} (A) (O,L)	12	12	12	12	12
Maximum Voltage (TS4 - L only) - V _{max} (V)	37.8	37.9	38.1	38.2	38.4
Open Circuit Voltage - V _{oc} (V) (D,M,S,O)	39.7	39.8	40.0	40.1	40.3
Short Circuit Current - I _{sc} (A) (D,M,S)	9.6	9.7	9.8	9.9	10
Module Efficiency	17.59%	17.89%	18.19%	18.49%	18.78%

Choose from **Safety** | **Safety + Optimization** | **Safety + Optimization + Long Strings**
 All of these options include Monitoring

TS4 Platform

TS4-L	LONG STRINGS				
TS4-O	OPTIMIZATION				
TS4-S	SAFETY				
TS4-M	MONITORING				
TS4-D	DIODES				



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 Design Load (UL 1703)	113 psf (5400pa)
Max Series Fuse Rating	15A
Max Reverse Current	15A

TEMPERATURE RATINGS

Nominal Operating Cell Temperature (NOCT)	45.01°C
Temperature Coefficient of P_{MPP}	-0.39%/°C
Temperature Coefficient of V_{oc} (D,M,S,O)	-0.29%/°C
Temperature Coefficient of V_{oc} (TS4 - L only)	0.0%/°C
Temperature Coefficient of I_{sc}	+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.

