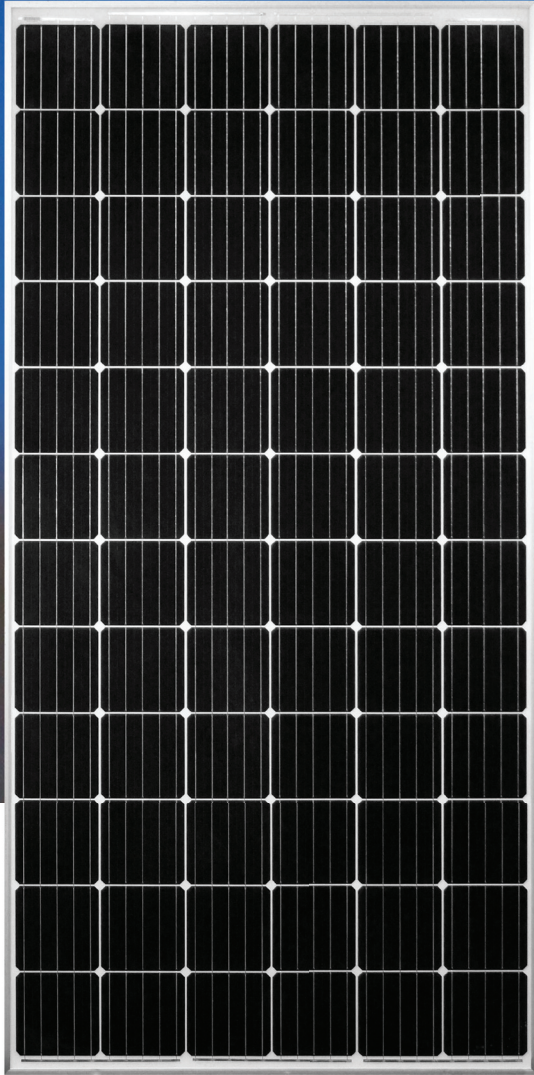


# Itek SE 72-Cell Solar Module



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# Itek SE 72-Cell Module

## Design & Engineering Data

### GENERAL DATA

<b>Cell Type</b>	<ul style="list-style-type: none"> <li>72 high-efficiency monocrystalline p-type cells</li> <li>6 x 12 cell matrix</li> </ul>
<b>Solar Glass</b>	<ul style="list-style-type: none"> <li>Ultra-clear anti-reflective treatment</li> <li>Tempered, with low iron content</li> <li>Anti-glare prismatic subsurface texture</li> </ul>
<b>Backsheet</b>	<ul style="list-style-type: none"> <li>Multi-layered</li> <li>Engineered adhesion for maximum weather protection</li> </ul>
<b>Frame</b>	<ul style="list-style-type: none"> <li>High-strength corrosion-resistant anodized aluminum</li> <li>Compatible with standard racking, accommodating both top-down clamps and bottom-flange mounting</li> </ul>
<b>Cable</b>	<ul style="list-style-type: none"> <li>90°C 12AWG PV wire</li> </ul>
<b>Junction Box</b>	<ul style="list-style-type: none"> <li>3 bypass diodes</li> <li>1000 VDC MC4 connectors</li> <li>Tigo TS4</li> </ul>
<b>Grounding</b>	<ul style="list-style-type: none"> <li>Certified for Wiley Electronics WEEB™ grounding clips</li> <li>Eight standard grounding locations per module for reduced ground wire length</li> </ul>

### QUALIFICATIONS

<b>Fire Rating</b>	Type 1
<b>PID Free</b>	500+ hours
<b>ARRA, BAA, and TAA Compliant</b>	

<b>ELECTRICAL DATA*</b>	350 SE	355 SE	360 SE	365 SE	370 SE
Maximum Power - P <sub>max</sub> (Wp)	350	355	360	365	370
Maximum Power Voltage - V <sub>MPP</sub> (V)	38.55	38.74	38.94	39.12	39.32
Maximum Power Current - I <sub>MPP</sub> (A)	9.08	9.16	9.25	9.33	9.41
Maximum Current - I <sub>max</sub> (A) (O,L)	12	12	12	12	12
Maximum Voltage (TS4-L only) - V <sub>max</sub> (V)	43.57	43.77	43.99	44.19	44.40
Open Circuit Voltage - V <sub>oc</sub> (V) (D,M,S,O)	47.43	47.64	47.87	48.08	48.31
Short Circuit Current - I <sub>sc</sub> (A) (D,M,S)	9.49	9.55	9.62	9.69	9.76
Module Efficiency	17.54%	17.79%	18.05%	18.30%	18.55%

### MECHANICAL DATA

<b>Dimensions</b>	1001mm x 1993mm x 40mm
<b>Weight</b>	49 lbs/22.2kg

### MAXIMUM RATINGS

<b>Operational Temperature</b>	-40...+90°C
<b>Maximum System Voltage</b>	1000 VDC
<b>Maximum Design Load (UL 1703)</b>	113 psf/(5400pa)
<b>Max Series Fuse Rating</b>	15A
<b>Max Reverse Current</b>	15A

### TEMPERATURE RATINGS

<b>Nominal Operating Cell Temperature (NOCT)</b>	45.01°C
<b>Temperature Coefficient of P<sub>MPP</sub></b>	-0.39%/°C
<b>Temperature Coefficient of V<sub>oc</sub> (D,M,S,O)</b>	-0.29%/°C
<b>Temperature Coefficient of V<sub>oc</sub> (TS4 - L only)</b>	0.0%/°C
<b>Temperature Coefficient of I<sub>sc</sub></b>	+0.04%/°C
<b>Temperature Coefficient of V<sub>MPP</sub></b>	-0.38%/°C

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

Note: specifications subject to change without notice.

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				

