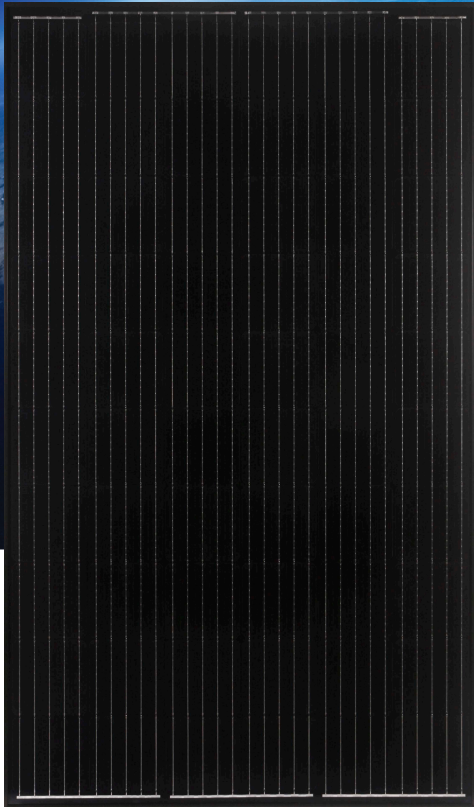


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We offer solar modules of unsurpassed quality that exceed performance expectations at an affordable price.



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High-power-density five-busbar design



Certified PID-free above and beyond the industry standard



Impact resistant, anti-glare solar glass



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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 |
| Wiring | <ul style="list-style-type: none"> 90°C 12AWG PV wire |
| Connectors | <ul style="list-style-type: none"> 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

| | |
|------------------|------------------------------|
| UL Type | Type 1 |
| Life | 500+ hours |
| Standards | 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 |
| Open Circuit Voltage - Voc(V) | 39.7 | 39.8 | 40.0 | 40.1 | 40.3 |
| Short Circuit Current - Isc(A) | 9.6 | 9.7 | 9.8 | 9.9 | 10 |
| Module Efficiency | 17.59% | 17.89% | 18.19% | 18.49% | 18.78% |

MECHANICAL DATA

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

MAXIMUM RATINGS

| | |
|--------------------------------|------------------|
| Operational Temperature | -40...+90°C |
| Maximum Voltage | 1000 VDC |
| Maximum Power | 113 psf (5400pa) |
| Maximum Current | 15A |
| Maximum Voltage | 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 04/16/18



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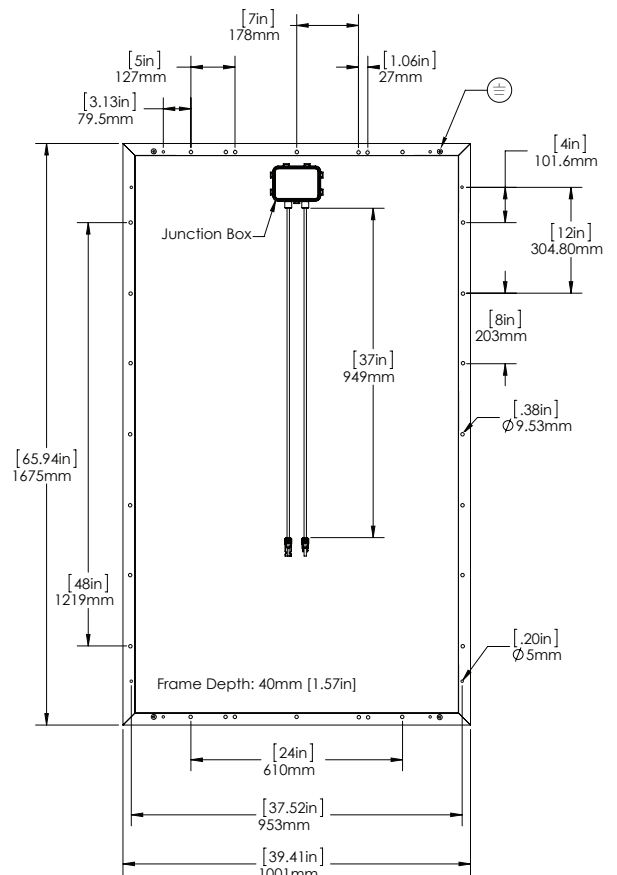
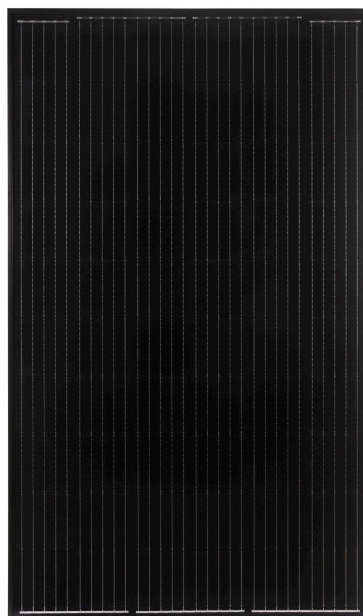
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