

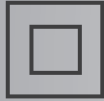


HETEROJUNCTION
CELL TECHNOLOGY

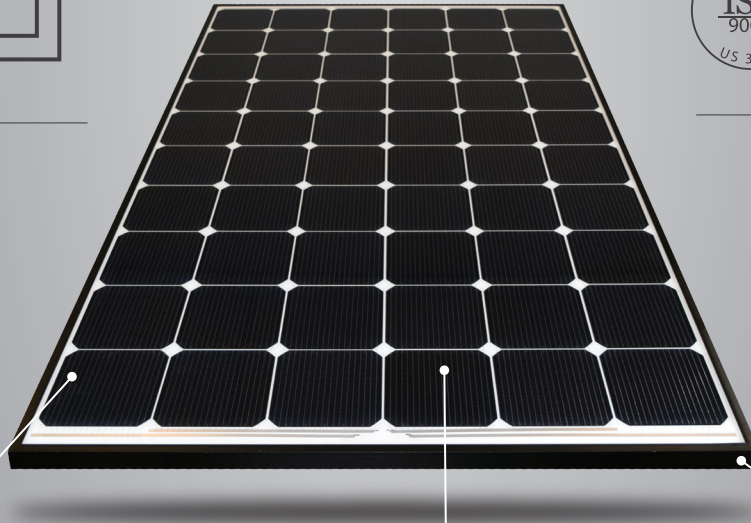
EPIQ

NEXT GENERATION SOLAR PANELS

320
Watt



CERTIFICATIONS:
IEC61215
IEC61730
UL1703
Conformity to CE
*Certification Due Q4 2017



SmartWire Technology lessens the effects of micro-fractures and shading

Heterojunction Busbar-less cells

Anodized aluminum frame (Space Black or Metallic Silver)

SMART FEATURES



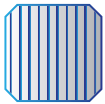
Superior Energy Production

Module efficiency up to 20.2% achieved by utilizing the most advanced technology in the solar industry.



Exceptional at Low-Light Conditions

The round shape of SmartWire reduces shading by 25% and introduces a light trapping effect.



SmartWire Technology (SWT)

The revolutionary process for connecting solar cells that outrivals busbars by spreading the electric current through 18 micro-wires.



Remarkable Connection Durability

SWT acts as a protective layer for the solar cell, ensuring reliable contact points for decades of consistent performance.



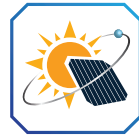
Advanced HJT Technology

This cell combines the advantages of N-type crystalline silicon with the excellent absorption and passivation of amorphous silicon.

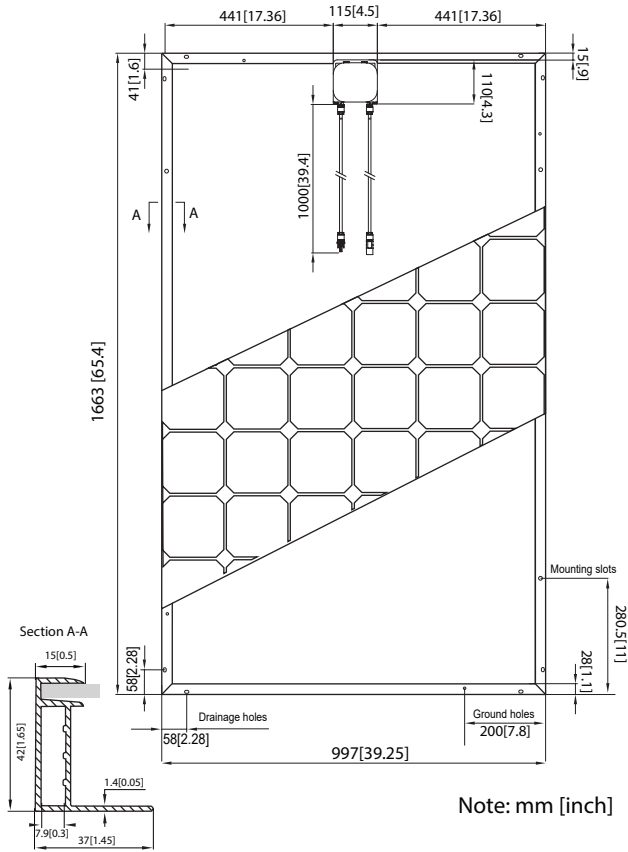


Industry Leading Warranty

HJT technology, based on n-type silicon, is immune to PID & LID effect.



SOLARTECH UNIVERSAL



Note: mm [inch]

Electrical Characteristics STC

| | STU Series 320 HJT | STU Series 325 HJT | STU Series 330 HJT |
|------------------------------|-----------------------|--------------------|--------------------|
| Average Power | 320W | 325W | 330W |
| Module Efficiency (%) | 19.6% | 19.9% | 20.2% |
| Voltage at Max power (Vmp) | 36.7V | 37.0V | 37.3V |
| Current at Max power (Imp) | 8.7A | 8.8A | 8.9A |
| Open Circuit Voltage (Voc) | 44.6V | 44.9V | 45.3V |
| Short Circuit Current (Isc) | 9.3A | 9.3A | 9.4A |
| Operating Module Temperature | -40°C to 85°C | | |
| Maximum System Voltage | 1000V DC (IEC + UL) | | |
| Maximum Series Fuse Rating | 20A | | |
| Power Sorting | -0/+5W | | |

STC: Irradiance 1000 W/m², module temperature 25 °C, AM=1.5; Best in Class AAA solar simulator (IEC 60904-9) used, power measurement uncertainty is within +/- 3%

Temperature Characteristics

| | |
|---------------------------------|--------------|
| Temperature Coefficient of Pmax | -0.3439%/°C |
| Temperature Coefficient of Voc | -0.2596%/°C |
| Temperature Coefficient of Isc | +0.0447 %/°C |

Maximum Power at PTC

| | | |
|--------|--------|--------|
| 291.5W | 296.1W | 300.6W |
|--------|--------|--------|

Mechanical Characteristics

| | |
|-------------------------------|---|
| Laminate Structure | Glass / TPO / Cells / TPO / Backsheet |
| Weight | Approx. 18 kg [40lbs] |
| Cell Type [mm] | 156.75 x 156.75 Heterojunction |
| Cell connection | 60 cells (serial) |
| Junction Box (Electrical) | 3 bypass (Tyco) IP65/IP67 |
| Connection Cable (Electrical) | Tyco Solar 4mm ² (1m length each) |
| Electrical Connectors | Tyco PV4 |
| Dimensions | 997 x 1663 x 42mm [39.25 x 65.4 x 1.65] |
| Encapsulant | (TPO) Hydrophobic |
| Front Load (Snow) | 5400 Pa / 112.8 Psf |
| Rear Load (Wind) | 3800 Pa / 79.4 Psf |
| Collection Pathways | 18 Micro-wires |
| Glass Thickness | 3.2mm [.125] Anti-reflective tempered solar glass (94% Transmittance) |

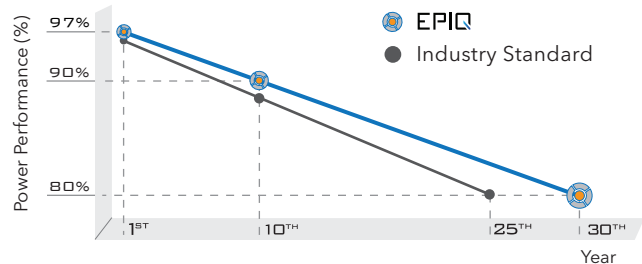
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Warrantied Power Performance



Packing Configuration

| Equipment | 20' GP | 53' Trailer |
|--------------------|--------|-------------|
| Modules per pallet | 20 | 23 |
| Pallets per unit | 12 | 36 |
| Modules per unit | 240 | 828 |

