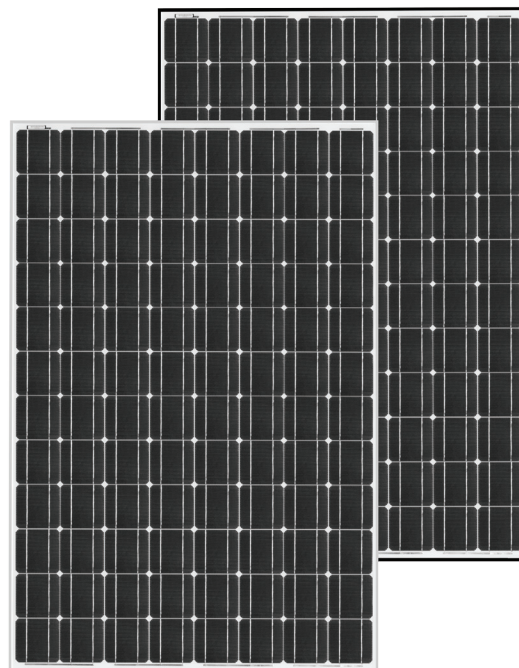




Silevo's proprietary hybrid tunneling junction cell technology combines **High Efficiency**, **Exceptional Energy Harvest**, and **Manufacturing Excellence** to deliver maximum return for your solar investment.



### 18.2% = Superior Efficiency

With efficiencies up to 18.2%, Silevo's Triex solar modules are amongst the highest in the industry. Higher efficiency delivers more power in less space.



### -0.27% / °C = More Energy Output

Triex solar modules can generate up to 12% more energy than conventional solar modules due to their low temperature coefficient which aids performance in warm weather.



### 6 Steps | Cu = Manufacturing Excellence

Silevo's Triex technology incorporates premium materials with 6 core automated manufacturing steps to deliver value and performance. Triex modules are virtually LID & PID-free.

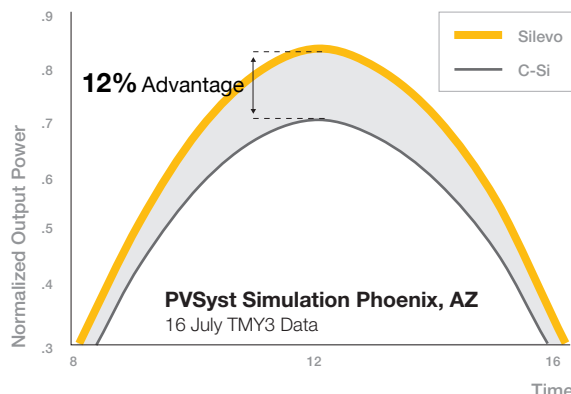
Silevo's Triex U-Series solar modules incorporate 96 individual hybrid tunneling-junction solar cells which deliver high performance and reliability. Designed to meet the demanding requirements of commercial and utility-scale solar projects, U-Series modules can also be used in high performance residential applications. Available with either silver or black frame option.

### TRIEX U305 WATT 18.2%

**25 year** linear power warranty & **10 year** product warranty

ISO 9001 certified production facility  
IEC 61215, IEC 61730 & UL 1703 certified

### DAILY POWER ADVANTAGE



# Triex™ U305 Watt, 18.2% Module

## Electrical Data (at STC)

Note: STC: Air Mass 1.5, Irradiance 1000W/m<sup>2</sup>, cell temperature 25°C

	U290	U295	U300	U305
Maximum Power (Pmax) [W]	290	295	300	305
Max Power Voltage (Vmp) [V]	56.6	57	57.5	57.9
Max Power Current (Imp) [A]	5.14	5.18	5.23	5.27
Open Circuit Voltage (Voc) [V]	68.3	68.7	69.0	69.3
Short Circuit Current (Isc) [A]	5.51	5.54	5.57	5.60
Output Power Tolerance [%]	3	3	3	3
Total Area Module Efficiency	17.3%	17.6%	17.9%	18.2%

## Electrical Data (at NOTC)

Note: NOTC: Air Mass 1.5, Irradiance 800W/m<sup>2</sup>, Air temperature 20°C, Wind speed 1m/s

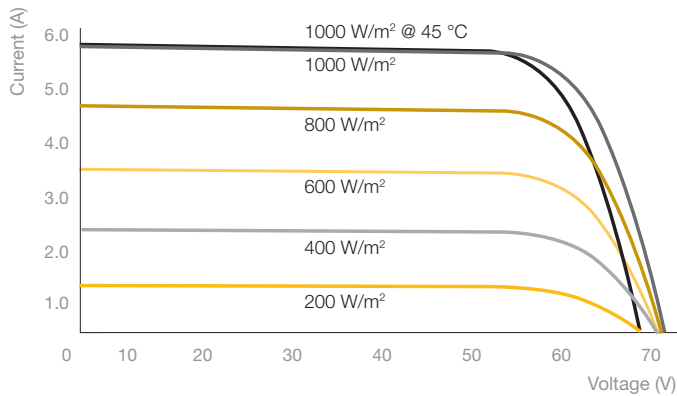
	U290	U295	U300	U305
Maximum Power (Pmax) [W]	212.7	215.9	219.9	223.1
Max Power Voltage (Vmp) [V]	52.4	52.7	53.2	53.6
Max Power Current (Imp) [A]	4.06	4.09	4.13	4.17
Open Circuit Voltage (Voc) [V]	63.4	63.8	64.1	64.3
Short Circuit Current (Isc) [A]	4.41	4.43	4.46	4.48

## Electrical Data (at Low Irradiance)

Note: Low irradiance: Air Mass 1.5, Irradiance 200W/m<sup>2</sup>, cell temperature 25°C

	U290	U295	U300	U305
Maximum Power (Pmax) [W]	55.4	56.0	56.5	57.1
Max Power Voltage (Vmp) [V]	53.0	53.3	53.5	53.7
Max Power Current (Imp) [A]	1.05	1.05	1.06	1.06
Open Circuit Voltage (Voc) [V]	64.2	64.6	64.9	65.1
Short Circuit Current (Isc) [A]	1.12	1.13	1.14	1.14

## I-V Curve U305



## Certifications

Fire Safety Classification	Class C
Certifications	UL 1703, CEC, IEC61215, IEC61730

## Warranty

Warranty	10 Year Limited Product Warranty
Performance Guarantee	25 Year linear (please refer to warranty for details)

## Temperature Ratings

Temperature (NOCT) [C]	46+/-2
Temperature Coefficient Pmax [%/°C]	-0.27
Temperature Coefficient Voc [%/°C]	-0.262
Temperature Coefficient Isc [%/°C]	0.04

## Maximum Ratings

Maximum System Voltage [V]	1000V DC (IEC) / 600V DC (UL)
Maximum Fuse Rating	12A
Temperature	Negative 40°C to Positive 85°C

## Mechanical Data

Solar Cells	96 Triex 125mm x 125mm cells
Dimensions	1586mm x 1056mm x 40mm
Weight	19 kgs
Front Glass	3.2mm High Transmission Tempered
Front Load Test (Snow)	5400 Pa
Rear Static Load Test (Wind)	2400 Pa
Junction Box	IP65 rated with 4 bypass diodes
Output Cables	1000mm / MC4 Connectors
Frame	Silver Aluminum (Black Frame Option)

## Packaging Data

Modules per Pallet	25
Modules per 40' GP Container	350
Modules per 40' HQ Container	700

## Dimensions

