



An evolution of Silevo's proprietary Triex™ hybrid technology, T-Series thin-film modules optimize emitter performance to enable **High Efficiency, Exceptional Energy Harvest, and Manufacturing Excellence** to deliver maximum return on your solar investment.



18.5% = Superior Efficiency

Amorphous silicon combined with tunneling oxide thin-film layers provides higher open circuit voltage enabling higher module efficiencies up to 18.5%.



-0.27% / °C = More Energy Output

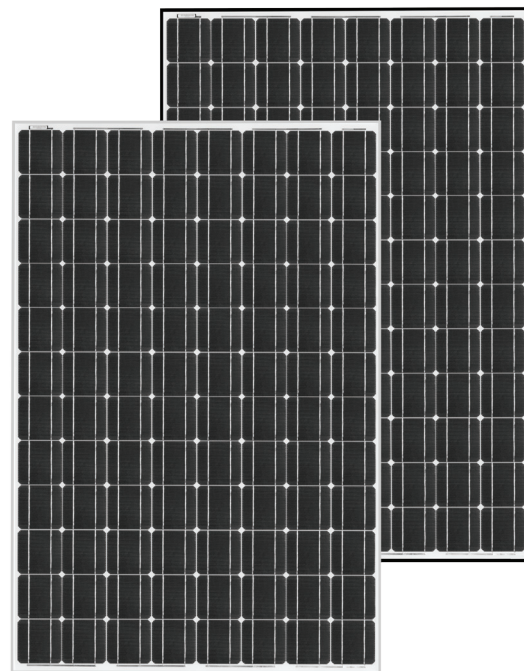
A low temperature coefficient coupled with improved R-shunt performance boosts energy capture in high temperature and low light conditions.



6 Steps = Manufacturing Excellence

Industry's first hybrid device structure incorporates an advanced TCO layer, premium materials and 6 core automated manufacturing steps to deliver high value and performance.

Silevo's Triex T-Series solar modules incorporate 96 improved hybrid tunneling junction solar cells and are certified under IEC thin-film standards. Designed to meet the dynamic weather conditions in the European market, T-Series modules can be deployed in residential, commercial, and ground mount utility scale solar projects. Available with either silver or black frame option.

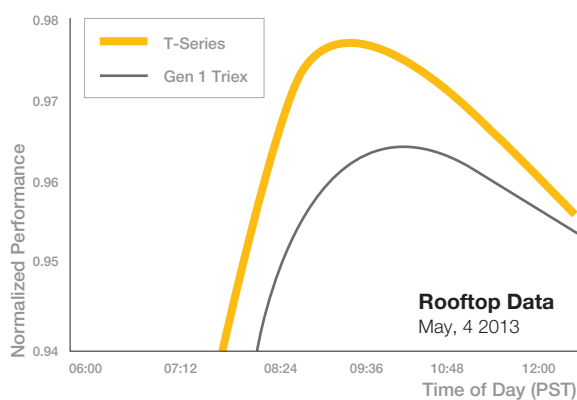


TRIEX T310 WATT 18.5%

25 year linear power warranty &
10 year product warranty

ISO 9001 certified production facility
IEC 61646, IEC 61730

IMPROVED LOW LIGHT RESPONSE



Triex™ T310 Watt, 18.5% Module

Electrical Data (at STC)

Note: STC: Air Mass 1.5, Irradiance 1000W/m², cell temperature 25°C

	T295	T300	T305	T310
Maximum Power (Pmax) [W]	295	300	305	310
Max Power Voltage (Vmp) [V]	57	57.5	57.9	58.3
Max Power Current (Imp) [A]	5.19	5.24	5.28	5.32
Open Circuit Voltage (Voc) [V]	69.5	69.8	70.1	70.4
Short Circuit Current (Isc) [A]	5.56	5.59	5.62	5.65
Output Power Tolerance [%]	3	3	3	3
Total Area Module Efficiency	17.6%	17.9%	18.2%	18.5%

Electrical Data (at NOTC)

Note: NOTC: Air Mass 1.5, Irradiance 800W/m², Air temperature 20°C, Wind speed 1m/s

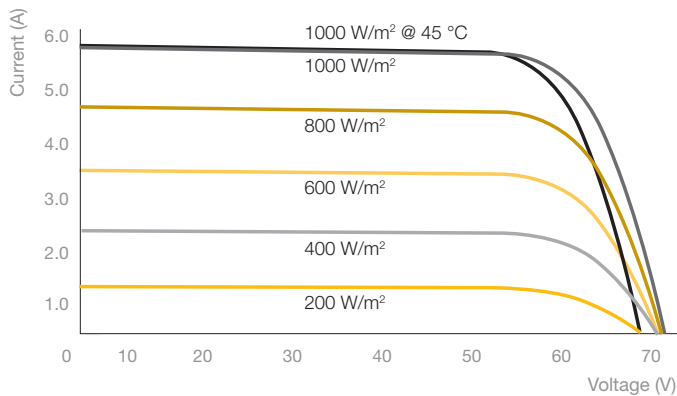
	T295	T300	T305	T310
Maximum Power (Pmax) [W]	216.3	220.3	223.5	226.8
Max Power Voltage (Vmp) [V]	52.7	53.2	53.6	53.9
Max Power Current (Imp) [A]	4.10	4.14	4.17	4.20
Open Circuit Voltage (Voc) [V]	64.5	64.8	65.1	65.4
Short Circuit Current (Isc) [A]	4.45	4.47	4.50	4.52

Electrical Data (at Low Irradiance)

Note: Low irradiance: Air Mass 1.5, Irradiance 200W/m², cell temperature 25°C

	T295	T300	T305	T310
Maximum Power (Pmax) [W]	56.9	57.4	58.0	58.5
Max Power Voltage (Vmp) [V]	53.9	54.1	54.4	54.6
Max Power Current (Imp) [A]	1.05	1.06	1.07	1.07
Open Circuit Voltage (Voc) [V]	65.3	65.6	65.9	66.2
Short Circuit Current (Isc) [A]	1.13	1.14	1.15	1.15

I-V Curve T310



Certifications

Certifications IEC61646, 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

