



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.



18.4% = Superior Efficiency

With efficiencies up to 18.4%, Silevo's Triex solar modules are amongst the highest in the industry. Higher efficiency delivers more power in less space.



-0.27%/°C + ARC = 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, and anti-reflective glass which boosts performance in low-light conditions.



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 R-Series solar modules incorporate 72 individual hybrid tunneling-junction solar cells which deliver high performance and reliability. Designed for residential and small commercial applications where space is at a premium, R-Series can also be used for larger solar projects. R-Series modules come standard with a black frame providing an attractive aesthetic solution for your home or business.

TRIEX R235 WATT 18.4%

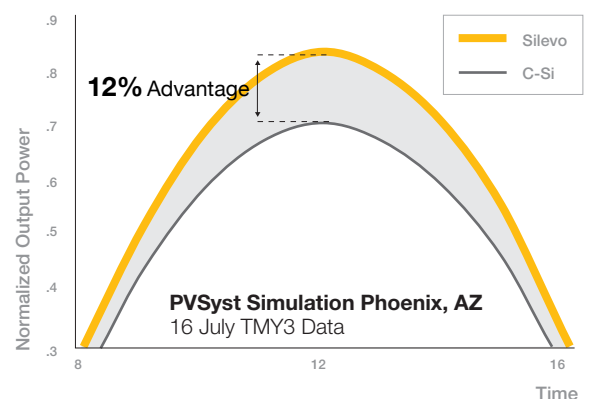
25 year linear power warranty & **10 year** product warranty

ISO 9001 & 14001 certified production facility.

IEC 61215, IEC 61730 & UL 1703 certified.

Salt Mist test severity Level 1 certified.

DAILY POWER ADVANTAGE



Triex™ R235 Watt, 18.4% Module

Electrical Data (at STC)

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

	R220	R225	R230	R235
Maximum Power (Pmax) [W]	220	225	230	235
Max Power Voltage (Vmp) [V]	42.4	42.9	43.5	44.1
Max Power Current (Imp) [A]	5.23	5.27	5.32	5.37
Open Circuit Voltage (Voc) [V]	51.2	51.6	52.0	52.4
Short Circuit Current (Isc) [A]	5.61	5.66	5.70	5.74
Output Power Tolerance [Wp]	0/+5	0/+5	0/+5	0/+5
Total Area Module Efficiency	17.2%	17.6%	18.0%	18.4%

Electrical Data (at NOTC)

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

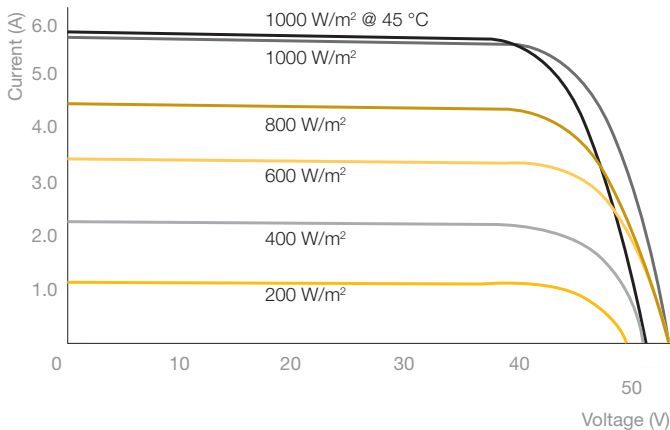
	R220	R225	R230	R235
Maximum Power (Pmax) [W]	157.8	160.9	164.7	168.6
Max Power Voltage (Vmp) [V]	38.9	39.4	39.9	40.5
Max Power Current (Imp) [A]	4.05	4.08	4.12	4.16
Open Circuit Voltage (Voc) [V]	47.4	47.7	48.1	48.5
Short Circuit Current (Isc) [A]	4.35	4.39	4.42	4.45

Electrical Data (at Low Irradiance)

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

	R220	R225	R230	R235
Maximum Power (Pmax) [W]	40.9	41.6	42.3	42.9
Max Power Voltage (Vmp) [V]	39.8	40.1	40.4	40.7
Max Power Current (Imp) [A]	1.03	1.04	1.05	1.05
Open Circuit Voltage (Voc) [V]	47.4	47.7	48.1	48.5
Short Circuit Current (Isc) [A]	1.15	1.16	1.17	1.18

I-V Curve R235



Certifications

Fire Safety Classification	Class C
Certifications	UL1703, 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	72 Triex 125mm x 125mm cells
Dimensions	1586mm x 806mm x 40mm
Weight	15.5kgs
Front Glass	ARC 3.2mm High Transmission Tempered
Front Load Test (Snow)	5400 Pa
Rear Static Load Test (Wind)	2400 Pa
Junction Box	IP65 rated with 3 bypass diodes
Output Cables	1000mm / MC4 Connectors
Frame	Black Anodized Aluminum

Packaging Data

Modules per Pallet	25
Modules per 40' GP Container	700

Dimensions

