Triex™ U-Series
SleekBlack™

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.

17.7% = Superior Efficiency

With efficiencies up to 17.7%, Silevo's Triex SleekBlack solar modules are amongst the highest in the industry. Higher efficiency delivers more power in less space.

-0.27%/ºC + 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 U-Series SleekBlack 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.

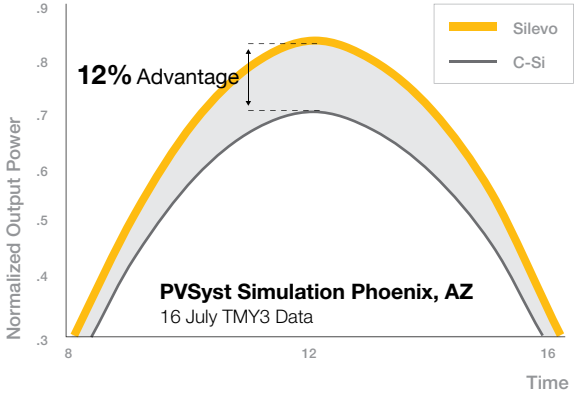
TRIEX™ SLEEKBLACK U295 WATT 17.7%

Triex SleekBlack are the perfect choice for solar projects where exceptional performance and aesthetics are required. Built with a black frame and black backsheet, they offer your project a sleek appearance.

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



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Triex™ U295 Watt SleekBlack, 17.7% Module

Electrical Data (at STC)

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

	U280 SleekBlack	U285 SleekBlack	U290 SleekBlack	U295 SleekBlack
Maximum Power (Pmax) [W]	280	285	290	295
Max Power Voltage (Vmp) [V]	56.2	56.6	57.0	57.5
Max Power Current (Imp) [A]	5.01	5.04	5.08	5.13
Open Circuit Voltage (Voc) [V]	68.9	69.2	69.5	69.8
Short Circuit Current (Isc) [A]	5.39	5.42	5.45	5.48
Output Power Tolerance [Wp]	-5/+5	-5/+5	-5/+5	-5/+5
Total Area Module Efficiency	16.8%	17.1%	17.4%	17.7%

Electrical Data (at NOTC)

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

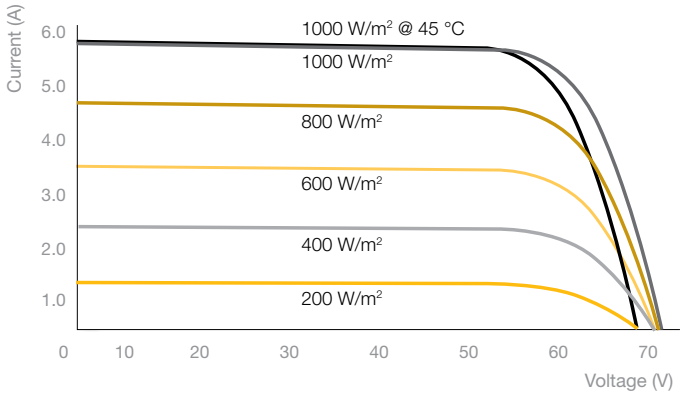
Maximum Power (Pmax) [W]	205.7	213.1	216.3	220.3
Max Power Voltage (Vmp) [V]	52.0	52.4	52.7	53.2
Max Power Current (Imp) [A]	3.96	3.99	4.02	4.06
Open Circuit Voltage (Voc) [V]	64.0	64.3	64.5	64.8
Short Circuit Current (Isc) [A]	4.32	4.34	4.36	4.39

Electrical Data (at Low Irradiance)

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

Maximum Power (Pmax) [W]	54.7	55.2	55.7	56.3
Max Power Voltage (Vmp) [V]	53.4	53.7	53.9	54.1
Max Power Current (Imp) [A]	1.02	1.03	1.03	1.04
Open Circuit Voltage (Voc) [V]	64.8	65.0	65.3	65.6
Short Circuit Current (Isc) [A]	1.10	1.11	1.11	1.12

I-V Curve U295 SleekBlack



Temperature Ratings

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

Maximum Ratings

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

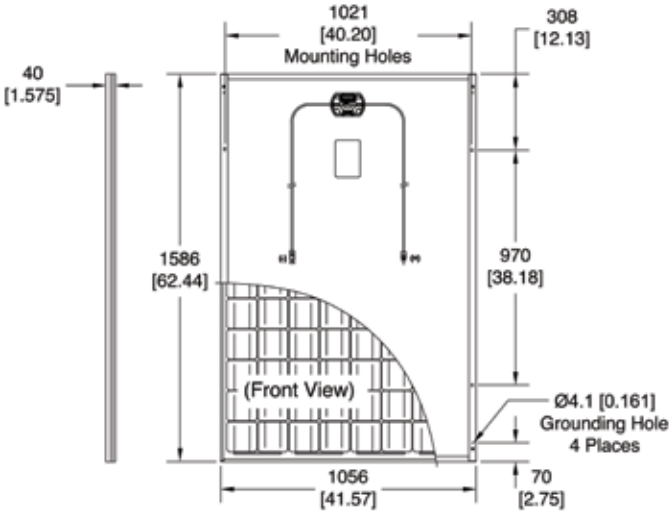
Mechanical Data

Solar Cells	96 Triex 125mm x 125mm cells
Dimensions	1586mm x 1056mm x 40mm
Weight	19 kgs
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 4 bypass diodes
Output Cables	1000mm / MC4 Connectors
Frame	Black Aluminum

Packaging Data

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

Dimensions



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)