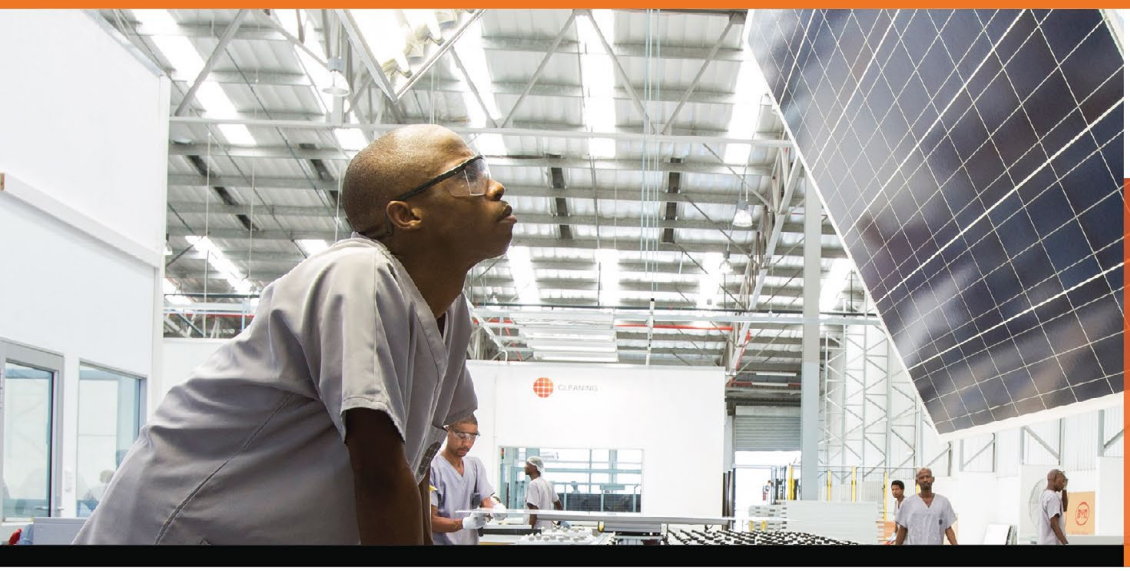


ARTsolar™
LOCAL | POWERFUL | GUARANTEED

PROUDLY SOUTH AFRICAN

South African Modules

Local content compliant
Supports local job creation
South African Owned
Locally Guaranteed

OUR APPROACH

ARTsolar believes high quality solar power should be produced locally at globally competitive pricing. Meticulous manufacturing, testing and quality assurance standards, TÜV certified raw materials and an in-house developed MES system ensures consistent traceable quality.

Local Support

Designed for the African climate:

- 3800 pa wind & 5400 pa mechanical loads
- High temperature operation
- Easy module replacement
- Shipping within Southern Africa
- Quality control and traceability by PVflow ®

Certifications

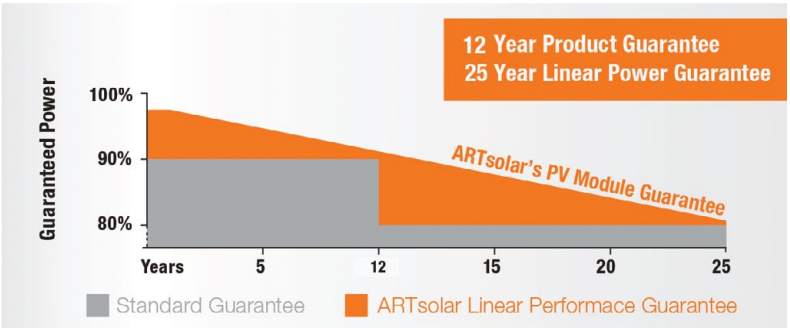
- TÜV SÜD & Rheinland, ISO 9001:2015
- CSA, IEC 61730 and IEC 61215
- State of the ART Swiss production facility
- Earth leakage tested to 3600V DC
- Double Electro-Luminescence (EL) tested
- Built for export to Europe

150 Wp Si-Poly

100 Wp Si-Poly

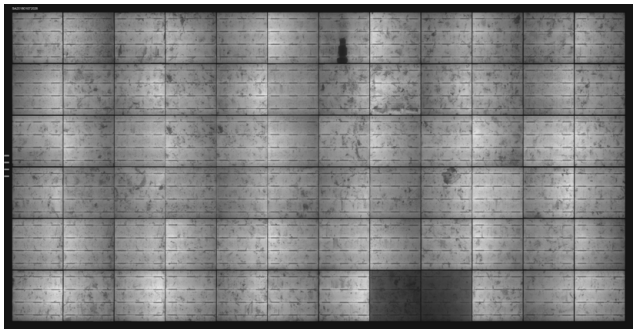
Locally Guaranteed

- 12 year construction warranty
- 25 year linear power output guarantee



Multiple Electro-Luminescence (EL) Tested

- Multiple EL tests throughout the production line
- EL Images can be requested with each purchase



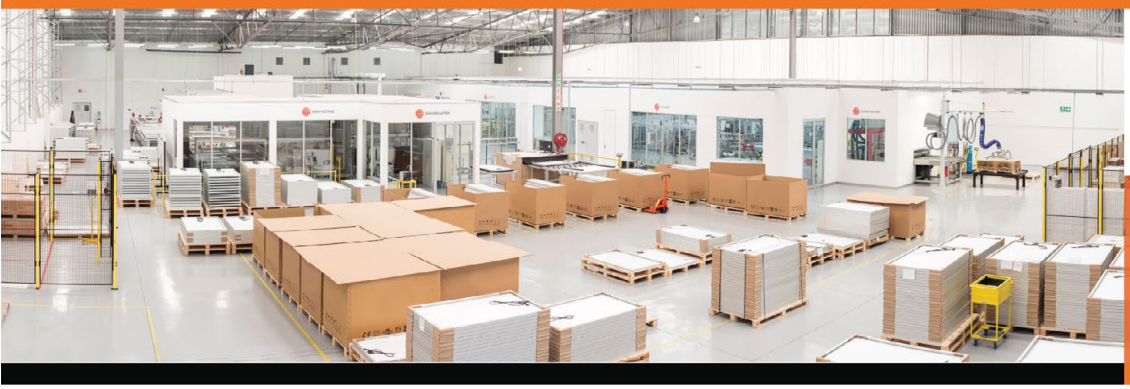
Make sure your PV module doesn't look like this.
An EL looks like an X-ray which spots cracks and power loss areas invisible to the naked eye.

Einnova Solarline
invented for solar

PVflow®

CE TÜV Rheinland TÜV SUD SABS ISO 9001

Tel +27 31 100 1019
Email sales@artsolar.net
Web www.artsolar.net



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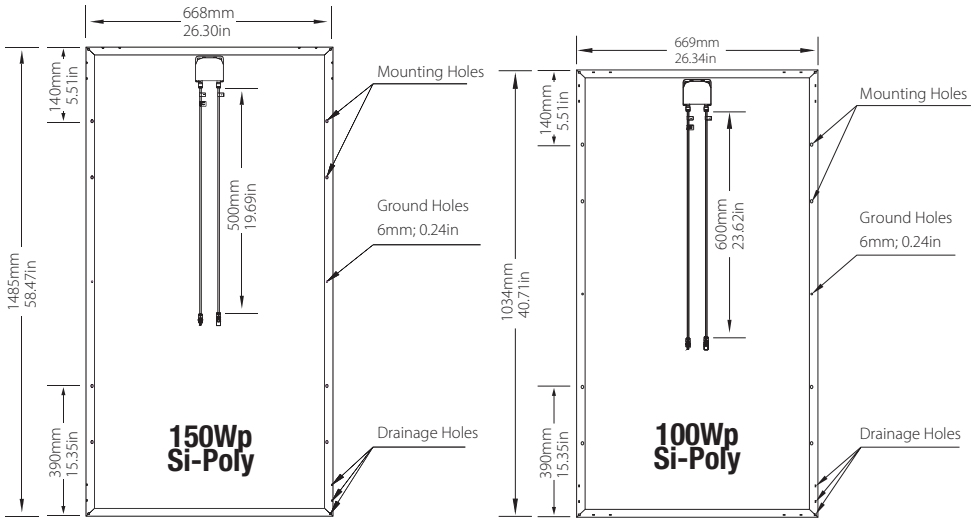
MODULE DESIGN

Module Dimensions and Weights

150Wp - 1485 x 668 x 35mm (12kg)
100Wp - 1034 x 669 x 35mm (9kg)



SPECIFICATIONS

Solar Cells: Cut cell, polycrystalline
Solar Glass: 3.2mm, tempered, low iron, high transparancy solar safety glass.
Encapsulation: EVA
Backsheet: White
Frame: Extruded, anodized aluminium
Junction Box: IP65 rated, 600 / 500mm cable, MC4 standard connectors

Electrical Data @ STC							Electrical Data @ NOCT					
Design	Pmax(Wp)	Vmp	Imp	Voc	Isc	Eff	Design	Pmax(wp)	Vmp	Imp	Voc	Isc
36 Cell	150 Wp	18.4V	8.15A	22.2V	8.42A	15.1%	36 Cell	112 Wp	17.30V	6.45A	20.60V	6.82A
36 Cell	100 Wp	18.4V	5.44A	22.2V	5.78A	14.5%	36 Cell	74 Wp	17.00V	4.36A	20.70V	4.65A

STC - Irradiance 1000 W/m2, cell temp @ 25°C
NOCT - Irradiace 800 W/m2, cell temp @ 20°C
KEY
Pmax(Wp) - maximum power, **Vmp -** voltage at max power, **Voc -** open circuit voltage, **Isc -** short circuit current
Imp - max power current, **Eff -** module efficiency (%)
STC - Standard Test Conditions
NOCT - Nominal Operating Cell Temperature

*** Figures are typical values of performance. Slight variances do occur, exact specifications available with each module,**

Temperature Ratings	
Nominal Operating Cell Temp	45°C (±2°C)
Temp coefficient of Pmax	-0.38%/°C
Temp coefficient of Voc	-0.31%/°C
Temp coefficient of Isc	0.03%/°C

Maximum Ratings	
Operational Temp	-40 to +85°C
Max system Voltage	1000V DC (IEC)
Max Series Fuse Rating	12A
Mechanical Load	5400pa

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