ARTsolar®
LOCAL | POWERFUL | GUARANTEED

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:

- 3600pa wind & 5400pa mechanical loads
- High temperature operation
- Certified salt and ammonia resistance
- PID resistance certified by SGS
- Quality control and traceability by PVflow®

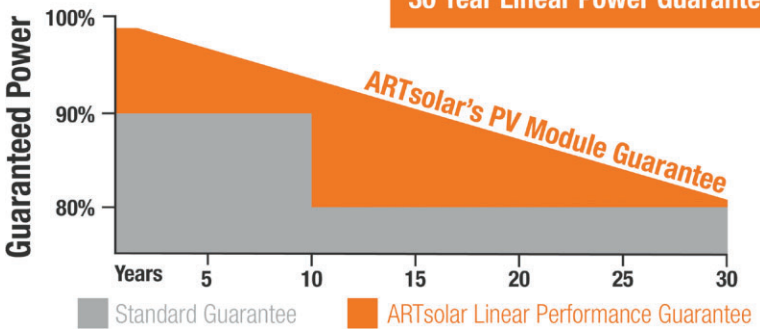
Certifications

- TÜV & SABS
- CSA, IEC61701, IEC 61215, IEC 62804,
- IEC 62716, IEC 61701, IEC 60068
- State of the ART Swiss production facility
- Earth leakage tested to 3600V DC
- Triple Electroluminescence (EL) tested
- Built for export to Europe

ART150 -36 -1500MH
Poly-crystalline

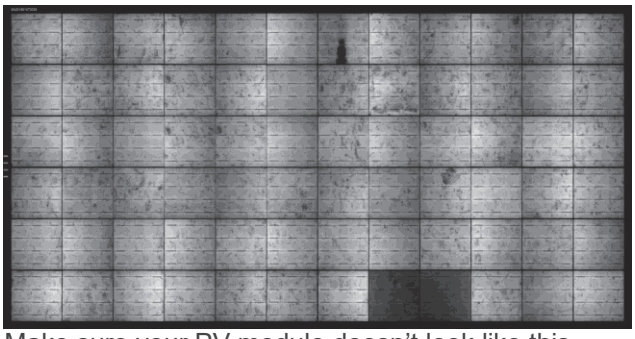
Locally Guaranteed

12 Year Product Guarantee
30 Year Linear Power 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
Powered by PVflow®

CE TÜV SÜD SABS ISO 9001

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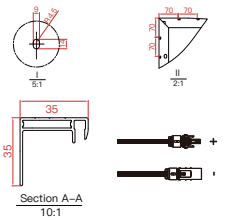
MODULE DESIGN

Module Dimensions and Weights

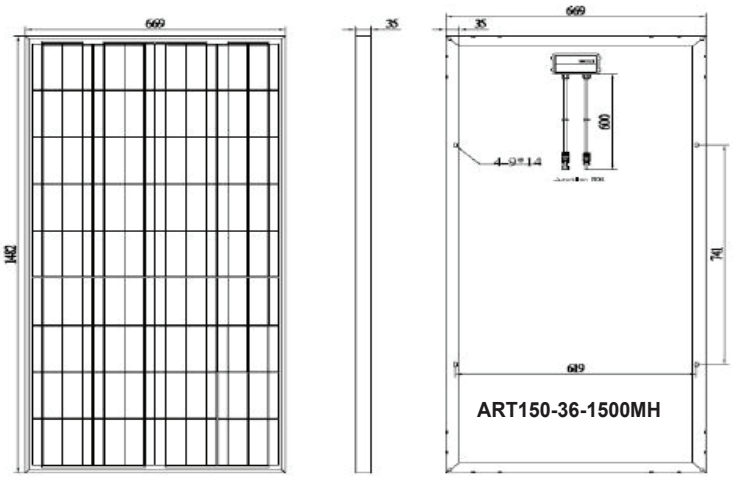
36 Cell - 1482 x 669 x 35mm (11.8kg)



SPECIFICATIONS

Solar Cells: MBB, Large Wafer, Half-Cut Cell Poly-Crystalline
Solar Glass: 3.2mm, tempered, low iron, high transparency solar safety glass with anti-reflective coating.

Encapsulation: EVA
Backsheet: White
Frame: Extruded, anodized aluminum
Junction Box: IP65/67 rated, 600 / 500mm cable, MC4 standard connectors



Electrical Data @ STC						
Design	Pmax(Wp)	Vmp	Imp	Voc	Isc	Eff
36 Cell	150 Wp	18.4V	8.15A	22.2V	8.42A	15.1%

Electrical Data @ NOCT					
Design	Pmax(Wp)	Vmp	Imp	Voc	Isc
36 Cell	112 Wp	17.30V	6.45A	20.60V	6.82A

STC - Irradiance 1000W/m2, cell temp @ 25°C
NOCT - Irradiance 800W/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)
Nominal Module Operating Temp (NMOT)	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	1500VDC (IEC/UL)
Max Series Fuse Rating	20A
Mechanical Load	5400pa

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