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:

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

### Certifications

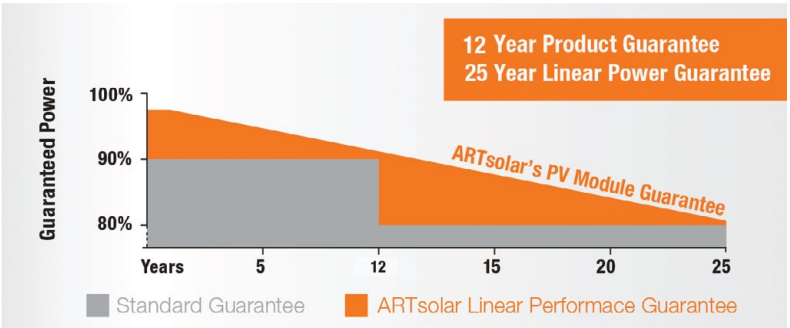
- TÜV & SABS
- CSA, IEC 61730 and IEC 61215 Compliant
- State of the ART Swiss production facility
- Earth leakage tested to 3600V DC
- Triple Electro-Luminescence (EL) tested
- Built for export to Europe

360 Wp Si-Mono PERC

300 Wp Si-Mono PERC

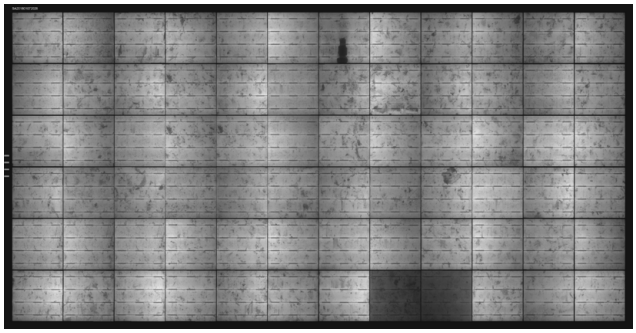
### Locally Guaranteed

- 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®

TÜV Rheinland
TÜV SÜD
SABS ISO 9001

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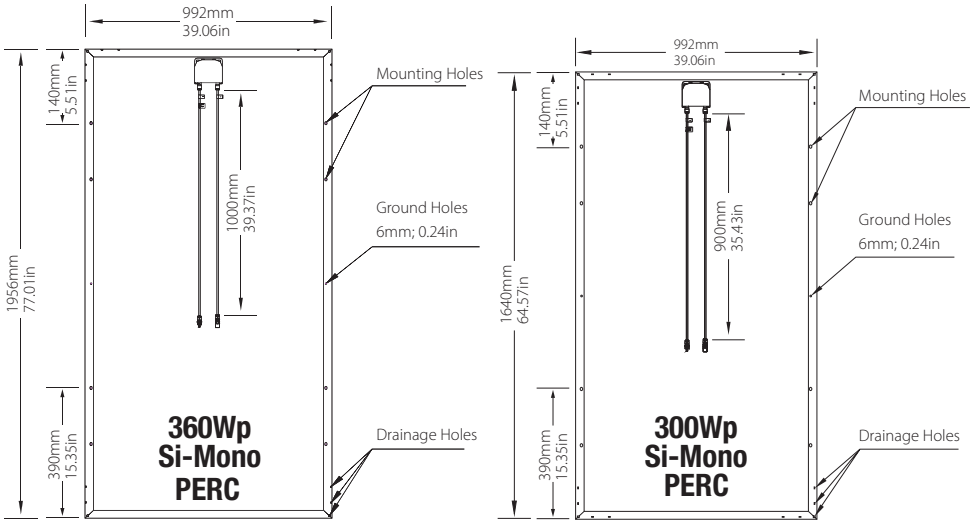
## MODULE DESIGN

### Module Dimensions and Weights

**72 Cell -** 1956 x 992 x 40mm (21kg)
**60 Cell -** 1640 x 992 x 40mm (18kg)

## SPECIFICATIONS

**Solar Cells:** 5 bus-bar, monocrystalline
**Solar Glass:** 3.2mm, tempered, low iron, high transparancy solar safety glass.
**Encapsulation:** EVA
**Backsheet:** White
**Frame:** Extruded, anodized aluminium
**Junction Box:** IP67 rated, 1000 / 900mm cable, MC4 standard connectors


| Electrical Data @ STC | | | | | | |
|---|---|---|---|---|---|---|
| Design | Pmax(Wp) | Vmp | Imp | Voc | Isc | Eff |
| 72 Cell | 360 Wp | 39.0V | 9.24A | 47.5V | 9.71A | 18.6% |
| 60 Cell | 300 Wp | 32.6V | 9.21A | 39.7V | 9.77A | 18.5% |

| Electrical Data @ NOCT | | | | | |
|---|---|---|---|---|---|
| Design | Pmax(wp) | Vmp | Imp | Voc | Isc |
| 72 Cell | 271 Wp | 36.3V | 7.46A | 44.0V | 7.90A |
| 60 Cell | 221 Wp | 29.7V | 7.43A | 36.8V | 7.78A |

**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 | -0.39%/°C |
| Temp coefficient of Voc | -0.30%/°C |
| Temp coefficient of Isc | 0.050%/°C |

| Maximum Ratings | |
|---|---|
| Operational Temp | -40 to +85°C |
| Max system Voltage | 1000V DC (IEC) |
| Max Series Fuse Rating | 15A |
| Mechanical Load | 5400pa |

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