



SAPPHIRE SOLAR
Power Yourself

GEM SERIES: SS260P/60

260W POLYCRYSTALLINE MODULE

SS260P/60 - 4 BUSBAR

Designed to withstand climate extremes, the 260W polycrystalline module delivers a high-quality, powerful performance. Like the strength of a precious sapphire, this module is durable and built to last, providing confidence in every solar installation.

ANTI-REFLECTIVE NANOTECHNOLOGY

Specialised tempered glass coating maximises light penetration and reduces dust contamination

PROTECTIVE ENCAPSULANTS

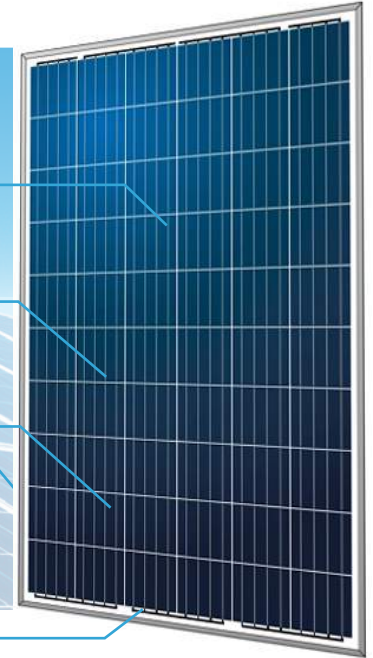
Anti-PID encapsulants protect against UV-aging/discolouration and maximise visible light transmission to solar cells

NEW! 4-BUSBAR TRANSMISSION

Transition to a 4-busbar design reduces the internal resistance, boosting cell performance over traditional panels

UV-RESISTANT BACKSHEET

Provides critical, long-life protection from the harsh Australia climate, conferring durability and long-term PV system returns



THE A-GRADE ASSURANCE

A-Grade quality is like a rare gem, not often found in many panel products.

Sapphire Solar understands that building a high-quality solar module is about being at the heart of the production process and getting it right from the start.

Only our stringent quality assurance process delivers the **Sapphire Solar A-Grade Assurance**.

1. **A-Grade Components** – careful procurement of trusted and compliant components such as industry-leading solar cells, backsheets and encapsulants to suit high UV conditions.
2. **A-Grade Procedures** – daily raw material checks, production inspections and procedure checks to ensure our strict manufacturing parameters are maintained.
3. **A-Grade Testing** – stringent testing to ensure that every Sapphire Solar panel satisfies our strict performance and safety criteria.

A-GRADE FEATURES

- 4-busbar technology for enhanced cell output
- Anti UV backsheet provides superior weather resistance and long-term durability
- PID-resistant encapsulants protect against UV discolouration and optimise light capture
- Anti-reflective tempered glass coating maximises penetration of light to solar cells
- Premium anti-PID cell technology produces a high module efficiency of up to 16.3%
- IP67 rated, fully sealed German junction box

A-GRADE WARRANTIES

Sapphire Solar 10/12/25 Warranty

- 10 year Product Warranty
- 12 year Performance Warranty at 90% power output
- 25 year Performance Warranty at 80% power output
- Premium Linear Performance Warranty

As Sapphire Solar is a 100% Australian owned manufacturer, all warranty claims are handled locally and efficiently by our UK Sales Manager with direct support from our Australian head office.

MECHANICAL CHARACTERISTICS

| | |
|--------------|---|
| Solar Cells | Polycrystalline 156mm x 156mm (60 cells) |
| Dimensions | 1640 x 992 x 35mm |
| Weight | 19.0kg |
| Front Glass | 3.2mm tempered, antireflective glass |
| Frame | Anodized/electrophoretic aluminium alloy |
| Cables | 4.0mm ² , symmetrical lengths 1.2m |
| Connector | Genuine MC4 |
| Junction Box | IP67 rated fully sealed German Leoni |

TEMPERATURE CHARACTERISTICS

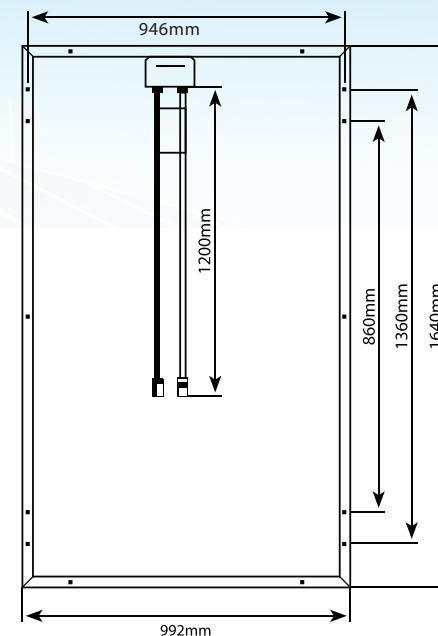
| | |
|---|--------------|
| Temperature Coefficient Pmax | -0.42%/°C |
| Temperature Coefficient Voc | -0.32%/°C |
| Temperature Coefficient Isc | +0.04%/°C |
| Operating temperature | -10°C ~+85°C |
| NOCT (Nominal Operation Cell Temperature) | 45°C ± 2°C |

ELECTRICAL CHARACTERISTICS

| | | |
|------------------------------------|---|-------------|
| Rated Power at STC (Pmpp) | W | 260 |
| Positive Power Tolerance | W | +5 |
| Maximum Power at STC | W | 263 |
| Cell Efficiency | % | 18.0 - 18.2 |
| Minimum Module Efficiency (%) | % | 16.0 - 16.3 |
| Maximum Rated Power Voltage (Vmpp) | V | 30.59 |
| Maximum Rated Power Current (Impp) | A | 8.50 |
| Open Circuit Voltage (Voc) | V | 38.16 |
| Short Circuit Current (Isc) | A | 9.07 |
| Maximum System Voltage | V | 1000 |
| Maximum Series Fuse Rating | A | 15A |
| Fire Rating | | Class A |

PACKAGING CONFIGURATION

| | |
|-----------------------|---------|
| Container | 40'' HQ |
| Pieces per Pallet | 30 |
| Pallets per Container | 28 |
| Pieces per Container | 840 |



LINEAR PERFORMANCE WARRANTY

