

250W POLYCRYSTALLINE MODULE

SS250P/60

Designed for harsh Australian climates, the 250W 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.

UV-RESISTANT BACKSHEET

Imported from Korea the industry leading DuPont Tedlar backsheet protects against high UV conditions, perfect for Australian installations.



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.

- A-Grade Components** - careful procurement of trusted and compliant components such as the industry-leading DuPont Tedlar backsheet to suit high UV conditions.
- A-Grade Procedures** - daily raw material checks, production inspections and procedure checks such as correct lamination periods to prevent hot spots, poor connection and yellowing.
- A-Grade Testing** - stringent testing to achieve high-quality performance strength such as accredited Fire Test Certifications.

A-GRADE FEATURES

- Anti UV backsheet provides superior weather resistance and long-term durability
- Three busbar solar cell optimises electricity yield
- Premium production and technology produces a high module efficiency up to 15.37%
- 1.2m cable allows for easy connection and installation
- Certified to withstand wind loads up to 2400Pa

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



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	MC4 Type - CXYN: PV-YN009-1
Junction Box	IP67 rated

TEMPERATURE CHARACTERISTICS

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

ELECTRICAL CHARACTERISTICS

Rated Power at STC (Pmpp)	W	250
Positive Power Tolerance	W	+5
Maximum Power at STC	W	253
Cell Efficiency	%	17.7 - 18.0
Minimum Module Efficiency (%)	%	15.4 - 15.7
Maximum Rated Power Voltage (Vmpp)	V	29.9
Maximum Rated Power Current (Impp)	A	8.35
Open Circuit Voltage (Voc)	V	37.1
Short Circuit Current (Isc)	A	8.92
Maximum System Voltage	V	1000 (TUV)
Maximum Series Fuse Rating	A	15A
Fire Rating		Class A

PACKAGING CONFIGURATION

Container	40'' GP
Pieces per Pallet	28
Pallets per Container	28
Pieces per Container	784

