

# SAPPHIRE SOLAR GEM SERIES SS265-280P/60 POLYCRYSTALLINE MODULES



## WE MAKE THINGS WORK THE WAY YOU WISH THEY WOULD.

- Premium cell technology produces a high module efficiency
- Waterproof (IP67 rated) junction boxes
- Anti-UV backsheet provides superior weather resistance and long-term durability to protect against discolouration and optimise light capture
- 5-busbar technology for enhanced cell output
- Anti-reflective tempered glass coating to maximise light penetration
- 10 years product warranty
- 12 years @ 90% performance warranty
- 25 years @ 80% performance warranty



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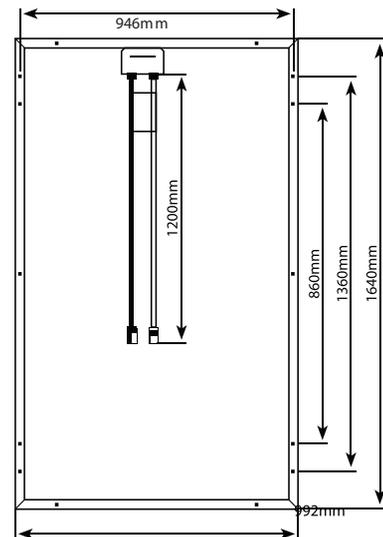


# SPECIFICATIONS

ELECTRICAL CHARACTERISTICS		SS265P/60	SS270P/60	SS275P/60	SS280P/60
Rated Power at STC (PmPP)	W	265	270	275	280
Power Tolerance	%	±3	±3	±3	±3
Maximum Power at STC	W	268	273	278	283
Cell Efficiency	%	18.5- 18.7	18.8-19.0	19.1-19.3	19.4-19.6
Minimum Module Efficiency (%)	%	16.2-16.4	16.6-16.8	16.9-17.0	17.2-17.3
Maximum Rated Power Voltage (Vmpp)	V	31.7	32.1	32.5	32.9
Maximum Rated Power Current (Impp)	A	8.37	8.42	8.47	8.52
Open Circuit Voltage (Voc)	V	37.6	37.9	38.2	38.5
Short Circuit Current	A	9.28	9.38	9.47	9.56
Maximum System Voltage	V	1000	1000	1000	1000
Maximum Series Fuse Rating	A	15A	15A	15A	15A
Fire Rating		Class C	Class C	Class C	Class C

## 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 <sup>2</sup> , symmetrical lengths 1.2m
Connector	Genuine MC4
Junction Box	IP67 rated fully sealed



## TEMPERATURE CHARACTERISTICS

Temperature Coefficient Pmax	-0.41%/°C
Temperature Coefficient Voc	-0.32%/°C
Temperature Coefficient Isc	+0.05%/°C
Operating temperature	-10°C --85°C
NOCT (Nominal Operation Cell Temperature)	45°C +/- 2°C

## PACKAGING CONFIGURATION

Container	40" HQ
Pieces per Pallet	30
Pallets per Container	28
Pieces per Container	840



Proudly 100% Australian-owned company, modules manufactured in China with premium componentry, assembly and testing.