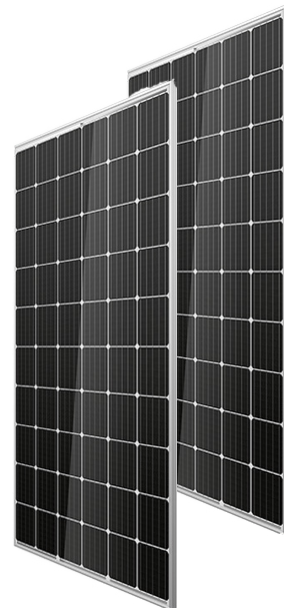


SAPPHIRE SOLAR GEM SERIES SS285-300M/60 BLACK MONOCRYSTALLINE MODULES



WE MAKE THINGS WORK THE WAY YOU WISH THEY WOULD.

- Sleek black design
- Premium cell technology produces a high module efficiency
- Waterproof (IP67 rated) junction box
- Anti-UV backsheet for superior weather resistance and long-term durability
- 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



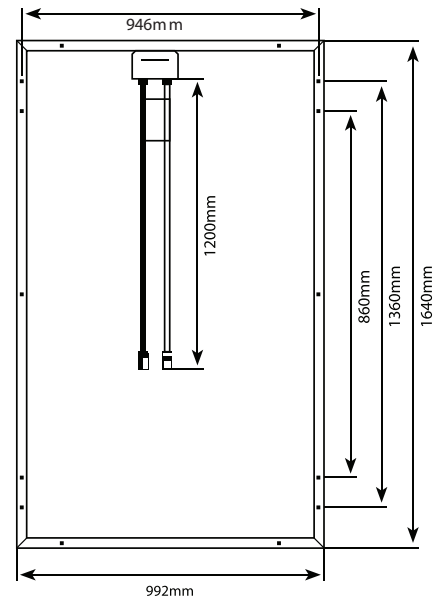
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info@sapphire-solar.com



SPECIFICATIONS

ELECTRICAL CHARACTERISTICS		SS285M/60	SS290M/60	SS295M/60	SS300M/60
Rated Power at STC (PmPP)	W	285	290	295	300
Power Tolerance	%	+/- 3	+/- 3	+/- 3	+/- 3
Maximum Power at STC	W	288	293	298	303
Cell Efficiency	%	20.3-20.5	20.6-20.8	20.9-21.1	21.2-21.4
Minimum Module Efficiency (%)	%	17.5-17.6	17.8-17.9	18.1-18.2	18.5-18.7
Maximum Rated Power Voltage (Vmpp)	V	32.8	33.2	33.4	33.8
Maximum Rated Power Current (Impp)	A	8.70	8.75	9.12	9.16
Open Circuit Voltage (Voc)	V	38.6	39.0	39.2	39.4
Short Circuit Current	A	9.71	9.78	9.87	9.96
Maximum System Voltage	V	1000	1000	1000	1000
Maximum Series Fuse Rating	A	15A	15A	15A	15A
Fire Rating		Class A	Class A	Class A	Class A

MECHANICAL CHARACTERISTICS	
Solar Cells	Monocrystalline 156mmx156mm (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 legths 1.2m
Connector	Genuine MC4
Junction Box	IP67 rated fully sealed PV-HT001



TEMPERATURE CHARACTERISTICS	
Temperature Coefficient Pmax	-0.42%/°C
Temperature Coefficient Voc	-0.29%/°C
Temperature Coefficient Isc	+0.049%/°C
Operating temperature	-40°C ~+85°C
NOCT (Nominal Operation Cell Temperature)	45°C +/- 2°C

PACKAGING CONFIGURATION	
Container	40" GP
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.