

## Monocrystalline PVmodule

# 60 CELL

### KEY FEATURES

- ↗ Reinforced module warranty
- ↗ UL 1000V rated
- ↗ High efficiency
- ↗ Salt, mist and ammonia resistant

### SECURE INVESTMENT

Saga provides industry-leading product coverage.

Our triple-backed plan includes:

- ↗ 12-year product warranty to cover workmanship and product quality
- ↗ 25-year linear performance warranty with no sharp coverage declines
- ↗ Added 3rd-party protection, so you're covered no matter what

**We offer the most secure, bankable warranty of all "Made In Minnesota" manufacturers**

## ELECTRICAL CHARACTERISTICS AT STC\*

MODEL	S-260M60	S-265M60	S-270M60	S-275M60	S-280M60
Max Power Voltage Vm (V)	30.4	30.6	30.8	31.0	31.2
Max Power Current Im (A)	8.55	8.66	8.77	8.87	8.97
Open-Circuit Voltage Voc (V)	38.3	38.6	38.9	39.2	39.5
Short-Circuit Current Isc (A)	8.96	9.04	9.12	9.20	9.28
Module Efficiency	16.0%	16.3%	16.6%	16.9%	17.2%
Maximum System Voltage (V)	1000(IEC)/1000(UL)				
Power Tolerance	0/+3%				
Series Fuse Rating (A)	20A				

\*STC: Irradiance 1000 W/m<sup>2</sup>, Module temperature 25°C, AM=1.5

## COMPONENTS AND MECHANICAL DATA

Front Glass	High Transparency Tempered Glass 0.125" // 3.2 mm
Junction Box	IP 65 or above
Bypass Diode	3 diodes
Output Cables	1.0 m // IEC, UL approved (4 mm <sup>2</sup> , 12AWG) (PV Wire Type)
Connectors	MC4 compatible (IP67, IEC and UL approved)
Frame	Anodized aluminium alloy type 6063-T5
Encapsulation Material	EVA (0.018" // 0.45 mm ± 0.001" // 0.03 mm thickness)
Back Sheet	White multilayer polymer film
Temperature Range	-40°F to +194°F // -40°C to +90°C
Max Load	75 lbs / ft <sup>2</sup> (UL Standard) // 5400 Pa (IEC Standards)
Impact Resistance	Steel ball - 1.18 lbs // 535 g dropped from 51" // 1.3 m high

## SPECIFICATIONS

Cells	Monocrystalline silicon solar cells 6" x 6" // 156 mm x 156 mm
Cell Diameter	7.9" // 200 mm or above
Number of Cells	60 (6 x 10)
Dimensions ( in // mm )	64.57 x 39.06 x 1.38 // 1640 x 992 x 35
Weight ( lb // kg )	40.8 // 18.5

## TEMPERATURE COEFFICIENTS

NOCT ( °C )	45 ± 2
Temperature Coefficients of Isc (% / °C )	0.05 ± 0.01
Temperature Coefficients of Voc (% / °C )	-0.30 ± 0.02
Temperature Coefficients of Im (% / °C )	-0.02 ± 0.02
Temperature Coefficients of Vm (% / °C )	-0.42 ± 0.03
Temperature Coefficients of Pm (% / °C )	-0.43 ± 0.05

## IV CURVES

