

## Polycrystalline PVmodule

# 72 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 protected no matter what

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

## ELECTRICAL CHARACTERISTICS AT STC\*

MODEL	S-300P72	S-305P72	S-310P72	S-315P72	S-320P72
Max Power Voltage Vm (V)	35.9	36.1	36.3	36.5	36.7
Max Power Current Im (A)	8.36	8.45	8.54	8.63	8.72
Open-Circuit Voltage Voc (V)	45.6	45.8	46.0	46.2	46.4
Short-Circuit Current Isc (A)	8.66	8.74	8.82	8.90	8.98
Module Efficiency	15.5%	15.7%	16.0%	16.2%	16.5%
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	Polycrystalline silicon solar cells 6" x 6" // 156 mm x 156 mm
Number of Cells	72 (6 x 12)
Dimensions ( in // mm )	77.01 x 39.06 x 1.57 // 1956 x 992 x 40
Weight ( lb // kg )	58.4 // 26.5

## 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

