



Midsummer High Quality Silver SGP-100W-18V



Key Features

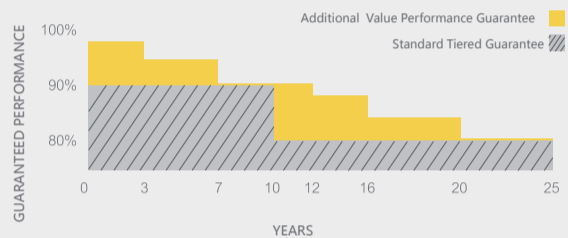
- Excellent low-light
- High Quality Bill of Material
- Reinforced Module Warranty
- High Efficiency A grade cells
- Universal Design (Narrowboats, Outbuildings, Motor homes, RV, Marine etc)

PRODUCT & ADVANTAGE

Midsummer provides industry-leading product coverage for all our modules to ensure our customers achieve superior long-term value from their solar installations. In addition to a 10-year product warranty, which covers unanticipated module damage, Midsummer implements a 25-year performance guarantee known as the Reinforced Module Warranty.

Midsummer Solar's modules are the best in glass in terms of power output and long term reliability. Our meticulous product design and stringent quality control ensure our modules deliver a higher PV energy yield in live PV system as well. Our in-house Pv testing facilities guarantee all module component materials meet the highest quality standards possible.

Product guarantee for 10 years
Performance guarantee for 25 years



*The specifications made herein may deviate slightly and are not guaranteed. Due to ongoing innovation, research and product enhancement we reserve the right to make any adjustments to the information contained herein at any time without notice. Please always obtain the most recent revision of datasheet which shall be duly incorporated into the binding contract made by the parties governing all transactions related to the purchase and sale of the products described herein.

SGP-100W-18V

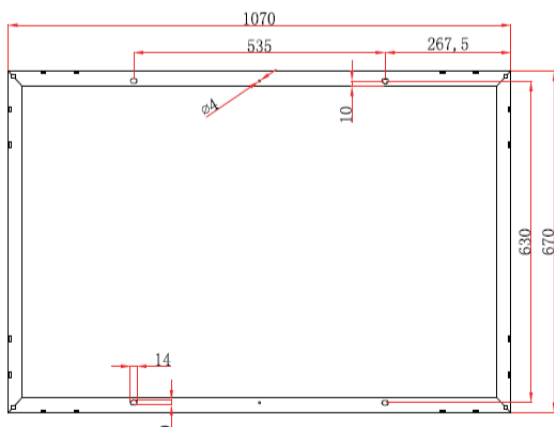
High Efficiency Polycrystalline PV Module

Electrical Characteristics

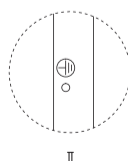
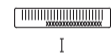
Product code	SGP-100w-18
Maximum power(Pmax)	100W
Voltage at Pmax(Vmp)	17.5
Current at Pmax(Imp)	5.72
Open-circuit voltage(Voc)	21.6
Short -circuit current(Isc)	6.18
Temperature coefficient of Voc	-0.33%
Temperature coefficient of Isc	+0.05%/°C
Temperature coefficient of power	-0.23%/°C
NOCT	45±2°C
Operating temperature	45±2°C
Maximum system voltage	1000VDC(IEC)
Power tolerance	

*Measured at STC Conditions: Irradiance: 1,000W/ m² - AM1.5 Spectrum - Temperature: 2.5°C
Electrical parameters may vary by ±5%

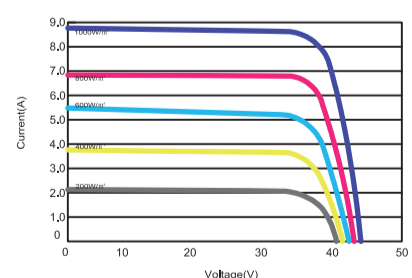
Module Diagram



Dimensions in brackets are in millimeters.
Unit: mm



Characteristics



Specifications

Cells	Polycrystalline silicon solar cell
No. of cells and connections	36(4X9)
Module dimension	670X1070X35mm
Weight	9 kg
Junction box	IP 67