

For a Free Quote:

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**Solar Panel Guide
Specification Data Sheet**

Saatvik Green Energy Pvt. Ltd.

SGE-40-75W

SGE-50W

Also available on the web at
EnergyPal.com/saatvik-green-energy-pvt-ltd-solar-panels/sge-50w



**SAATVIKTM
GREEN
ENERGY**

www.saatvikgroup.com

Polycrystalline Solar Module
Saatvik-40 Watt
Saatvik-50 Watt
Saatvik-60 Watt
Saatvik-75 Watt



APPLICATIONS



Solar street lighting



Home appliances

THE SAATVIK EDGE



High module conversion efficiency
Module efficiency up to 14.55% achieved.



High PID resistant
Advanced cell technology and qualified materials lead to high resistance to PID



Positive Tolerance
Positive tolerance of up to 5W delivers higher output reliability.



Extended wind and snow load tests
Module certified to withstand extreme wind (2400 Pascal) and snow loads (5400 pascal).



Saatvik current sorting process
System output maximized by reducing mismatch losses with modules sorted and packaged by amperage.



Withstanding harsh environment
Salt mist and ammonia tests ensure better sustainability in harsh environment such as desert, farm and coastline



Low irradiance
Outstanding low irradiance performance: 96.0%



IP67 Rated junction box
IP67 junction box for long-term weather endurance.



Rigorous testing criteria
100% EL inspection ensuring defect-free modules.

Management System Certificates

- ISO 9001:2015 / Quality management system
- ISO 14001:2015 / Standards for environmental management system
- OHSAS 18001:2007 / International standards for occupational health & safety



Product Certificates

- IEC 61215 / IEC 61730: TUV Rheinland
- UL 1703
- IEC 61701 ED2



* Please refer to Saatvik Product Warranty for details.

** Please refer to Saatvik Module Installation Manual for details.

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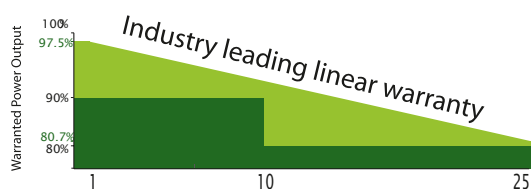
MODULE DATASHEET SAATVIK

Model No.	SGE-40W	SGE-50W	SGE-60W	SGE-75W
Power (Pm) in Watts (nominal)	40	50	60	75
Matrix size	9*4	9*4	9*4	9*4
No. of Cells	36	36	36	36
Length of Cell (mm)	39	52	66	78
Width of Cell (mm)	156	156	156	156
Open Circuit Voltage (Voc) in Volts	22.32	22.32	22.00	22.00
Short Circuit Current (Isc) in Amps	2.45	3.06	3.67	4.59
Voltage at Maximum Power (Vmp) in volts	17.96	17.96	17.96	17.96
Module Efficiency in %	12.80	13.80	13.17	14.55
Current at maximum Power (Imp) in Amps	2.23	2.78	3.34	4.18
Maximum system Voltage (VDC)	600	600	600	600
Module Size (L x W X H) in mm	470*665*35	545*665*35	685*665*35	775*665*35
Module Weight in Kgs	3.88	4.30	5.29	6.03
Mounting Hole Pitch (X)	200	200	400	400
Mounting Hole Pitch (Y)	630	630	630	630

Other Characteristics

Cell Type	Multi Crystalline Silicon
Front Face	Tempered Glass (Low Iron), 3.2mm
Encapsulate	Ethylene Vinyl Acetate
Frame Material	Silver Anodized Aluminium Profile, (Black Frame on request)
J-Box	IP65, Weather Proof Nylon, 2/3/4 diodes arrangement.
Temp. Coefficients	<div>Pmax -0.408 %/K</div> <div>Voc -0.297 %/K</div> <div>Isc 0.045 %/K</div>
NOCT (°C)	46±2°C

Industry leading warranty based on Nominal Power

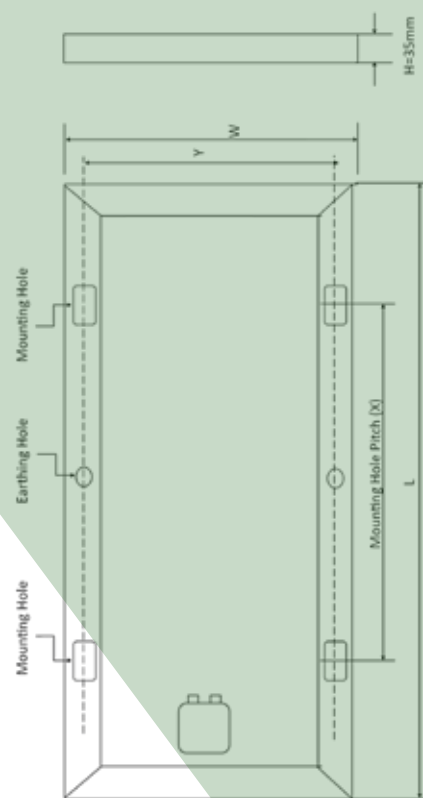


- 97.5% in the first year, thereafter, for years two (2) through twenty-five (25), 0.7% maximum decrease from module's nominal power output per year, ending with the 80.7% in the 25th year after the defined WARRANTY STARTING DATE.**
- 10 year product warranty
- 25 year linear performance warranty

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Excellent performance under weak light conditions: at an irradiation intensity of 200 W/m² (AM 1.5, 25 °C), 96.0% or higher of the STC efficiency (1000 W/m²) is achieved

Information on how to install and operate this product is available in the installation instruction. All values indicated in this data sheet are subject to change without prior announcement. The specifications may vary slightly. All specifications are in accordance with standard EN 50380. Color differences of the modules relative to the figures as well as discolorations of/in the modules which do not impair their proper functioning are possible and do not constitute a deviation from the specification.



- Optimum panel efficiency suitable for roof-tops, ground mounted, solar water pumping for utility applications.
- Suitable for all environment conditions.

PARTNER SECTION