

SOLAR MODULE 36(9X4) CELL MATRIX



Technology

Sri Savitr Solar Pvt Ltd is One of the leading Manufacturer of Solar Photovoltaic (SPV) modules located in Hyderabad, India. Providing impeccable quality at the most competitive price has been its Unique Selling Proposition for which it has established a rigorous standard of acceptance as reflected in the data sheets.

Quality

We at Sri Savitr Solar use high efficiency Solar Cells for consistent high quality output. We are committed to work with the highest quality product and providing the right technology to our customers for their required applications.

Certification

Our Modules have been approved as per the requirement of IEC 61215: 2005ED2 for design and IEC 61730 (Safety Class I & II) CE, IEC 61701 (Salt mist corrosion test) by TUV Rheinland Germany.

Besides Sri Savitr Solar has a quality management system compliance with International Quality system ISO 9001:2008.

Technical Product Information

- Our modules are made using the highest quality of solar cells which are sourced from renowned & best suppliers in the world.
- Superior reliability with IP65 protection in all junction boxes with Bypass Diodes as per EN 50548:2011+A1 standard for 35W and above, modules with a system voltage of 1000V
- Cells Protected by high transmittance, low-Iron Fully tempered glass with anti-reflective coating to improve light transmission and a layer of Tedlar and EVA to laminate (protects from environmental damage).
- Anodized Aluminum frame with screw less frame for high mechanical strength to protect the laminate and provide base for mounting structure.
- IP67 rated MC4 Compatible prewired connectors.



An ISO 9001:2008 Certified Company

DATA SHEET FOR MULTI CRYSTALLINE PHOTOVOLTAIC MODULES

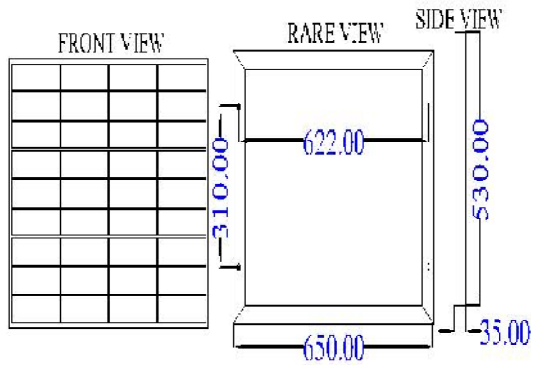
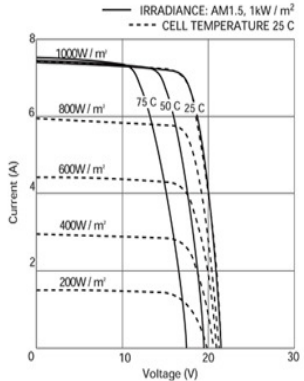
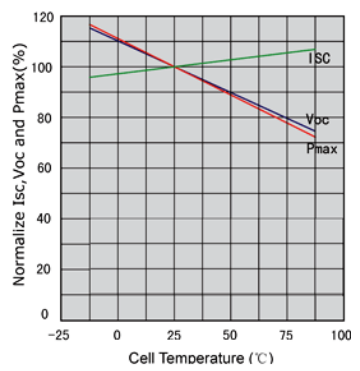
ELECTRICAL CHARACTERISTICS OF SPV MODULES	
Maximum Power at STC(Pmax)	50Wp
Open circuit Voltage(Voc)	22.72V
Voltage at maximum power(Vmp)	18.17V
Short Circuit current (Isc)	2.86A
Current at maximum power Imp)	2.75A
Maximum Module Efficiency (%)	14.40%
Operating Temperature	-40°C to +85°C
Maximum System Voltage	1000VDC
Maximum Series Fuse Rating	15A

STC: Irradiance 1000W/ m², Module Temperature 25°C, AM 1.5

MECHANICAL DIMENSIONS	
Solar Cells	Poly-Crystalline 156mm x 156mm
Cells per module	36(9 x4)
Dimensions(mm x mm x mm)	530x655x35
Weight Approx (Kgs)	4.33
Front Glass	3.2 mm Tempered
Frame	Anodized Aluminum Frame (Double Walled)
Junction Box	IP 65 rated
Output Cables	

TEMPERATURE COEFFICIENTS			
NOCT	Temp Co Pmax	Temp Co Voc	Temp Co Isc
48±2°C	-0.42%/K	-0.33%/K	0.05%/K

Certifications	Warranty	Shipping
IEC 61215, 61730, 61701, TUV ISO 9001:2008	5 Years Warranty on Material and workman. 25 Years warranty on Power output. 90% of the rated power is guaranteed for a period of 12 years and 80% of the rated power is guarantee over a period of 25 years.	

Physical Specifications	Voltage characteristics Irradiance Levels	Temperature Dependence of Isc, Voc, Pmax
		

Note: The data presented may change due to further improvements in the product.