

DATA SHEET FOR MULTI CRYSTALLINE PHOTOVOLTAIC MODULES

ELECTRICAL CHARACTERISTICS OF SPV MODULES

Maximum Power at STC(Pmax)	275 wp(-3 to +5%)	280 wp(-3 to +5%)	300 wp(-3 to +5%)
Open circuit Voltage(Voc)	43.49V	44.61V	45.95V
Voltage at maximum power(Vmp)	36.24V	37.18V	38.29V
Short Circuit current (Isc)	8.24A	8.45A	8.59A
Current at maximum power Imp)	7.63A	7.82A	7.95A
Maximum Module Efficiency (%)	13.8%	14.5%	15.2%
Operating Temperature	-40°C to +85°C	-40°C to +85°C	40°C to +85°C
Maximum System Voltage	1000VDC	1000VDC	1000VDC
Maximum Series Fuse Rating	15A	15A	15A

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

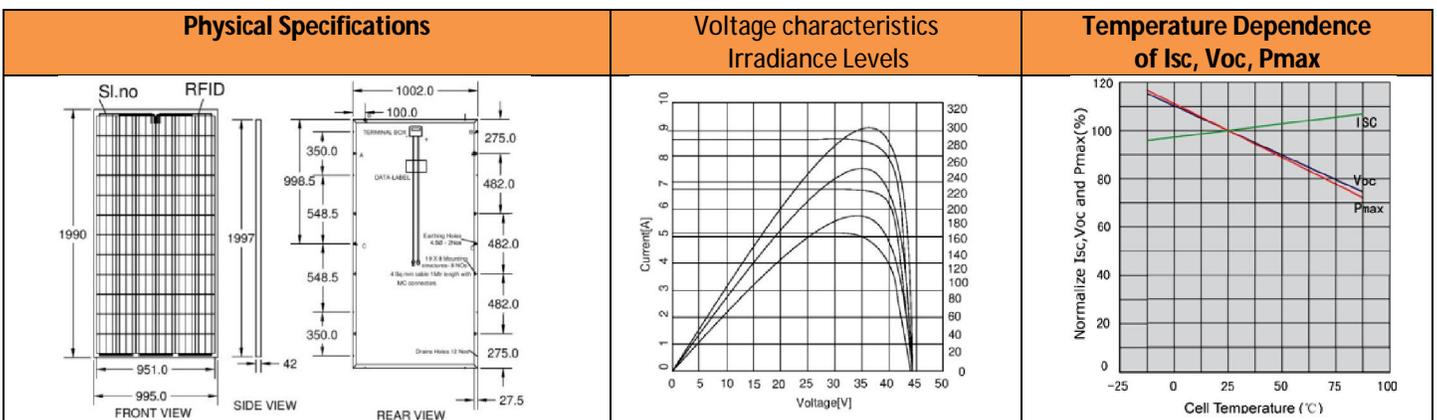
MECHANICAL DIMENSIONS

Solar Cells	Poly-Crystalline 156mm x 156mm		
Cells per module	72(6 x12)	72(6 x12)	72(6 x12)
Dimensions(mm x mm x mm)	1997x1002x42mm	1997x1002x42mm	1997x1002x42mm
Weight Approx	19kg	19kg	19kg
Front Glass	3.2 mm Tempered		
Frame	Anodized Aluminum Frame (Double Walled)		
Junction Box	IP 65 rated		
Output Cables	4.0mm ² asymmetrical lengths(-) 1250mm & (+)1000mm		

TEMPERATURE COEFFICIENTS

NOCT	Temp Co Pmax	Temp Co Voc	Temp Co Isc
47±2°C	-0.42%/K	-0.33%/K	0.05%/K

Certifications	Warranty	Shipping
IEC 61215, 61730, ISO 9001:2000	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.	Ship Loading capacity (20ft container): 252 panels in 12 cartons, Loading capacity (40ft container) 588 panels in cartons 28



**SOLAR MODULE
72(6X12)
CELL MATRIX**



Technology

Sri Savitr Solar Modules are being Manufactured using state-of-art facilities and cutting edge Technology. These Modules are available in Framed and Laminates Versions.

Quality

Sri Savitr Solar uses high Efficiency Polycrystalline Solar Cells to provide maximum power and to meet the exacting demands of industry.

Certification

Sri Savitr Solar Modules have been approved as per the requirement of IEC 61215 : 2005ED2 and IEC 61730 by TUV Rheinland Germany.

Besides Sri Savitr Solar has a quality management system compliance with International Quality system ISO 9000:2000.

Technical Product Information

- High Efficiency Mono/Poly Crystalline cells.
- Junction Box with Bypass Diodes as per EN 50548:2011+A1 standard.
- Cells Protected by high transmittance, low-Iron Fully tampered glass and a layer of Tedlar and EVA.
- Anodized Aluminum frame to protect the laminate and provide base for mounting structure.
- Pre-wired with Quick Connector system.



SRI SAVITR SOLAR PVT LTD

An ISO 9001:2000 Certified Company



Qualified

§ IEC 61215

§ IEC 61730