

# DATA SHEET FOR MULTI CRYSTALLINE PHOTOVOLTAIC MODULES

## ELECTRICAL CHARACTERISTICS OF SPV MODULES

Maximum Power at STC(P <sub>max</sub> )	200 wp(-3 to +5%)	210 wp(-3 to +5%)	220wp(-3 to +5%)
Open circuit Voltage(V <sub>oc</sub> )	32.61V	32.96V	33.71V
Voltage at maximum power(V <sub>mp</sub> )	27.18V	27.47V	28.10V
Short Circuit current (I <sub>sc</sub> )	8.24A	8.28A	8.49A
Current at maximum power I <sub>mp</sub> )	7.63A	7.67A	7.86A
Maximum Module Efficiency (%)	14.04%	14.26%	14.96%
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/ m<sup>2</sup>, Module Temperature 25°C, AM 1.5

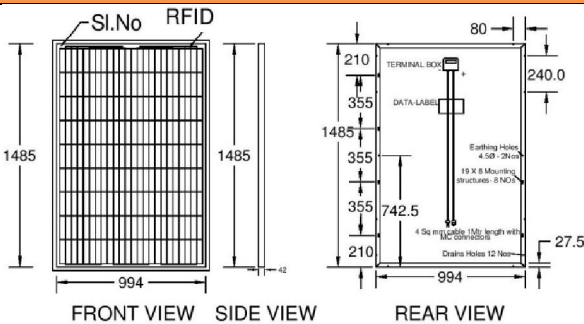
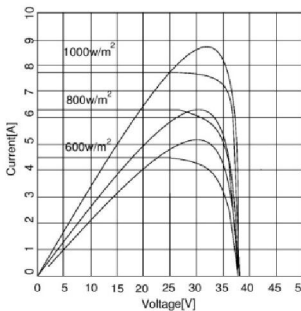
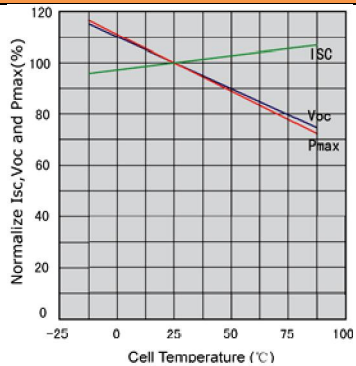
## MECHANICAL DIMENSIONS

Solar Cells	Poly-Crystalline 156mm x 156mm		
Cells per module	54(6 x9)	54(6 x9)	54(6 x9)
Dimensions(mm x mm x mm)	1485 x 994 x 42	1485 x 994 x 42	1485 x 994 x 42
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 <sup>2</sup> asymmetrical lengths(-) 1250mm & (+)1000mm		

## TEMPERATURE COEFFICIENTS

NOCT	Temp Co P <sub>max</sub>	Temp Co V <sub>oc</sub>	Temp Co I <sub>sc</sub>
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

Physical Specifications	Voltage characteristics Irradiance Levels	Temperature Dependence of I <sub>sc</sub> , V <sub>oc</sub> , P <sub>max</sub>
 <p>FRONT VIEW SIDE VIEW REAR VIEW</p>		



## **SOLAR MODULE 54(6X9) 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