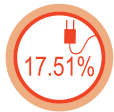


# POLYCRYSTALLINE SOLAR MODULES

**SSS-300W - SSS 340W** Power Range  
**72 CELLS • 5BB • 1500V/1000V SERIES**



**Positive tolerance**  
 Guaranteed tolerance +3%  
 Reliable power output



**High module efficiency**  
 Module efficiency up to 17.51%



**Strong compressive strength**  
 Certified to withstand high wind of 2400Pa  
 and snow loads of 5400Pa



**High manufacture standards**  
 certified to high standards by the  
 most reputable labs According to  
 IEC:61215: IEC:61730-1/2



**International Management System**  
 Manufactured and certified according  
 to ISO9001, Quality management system



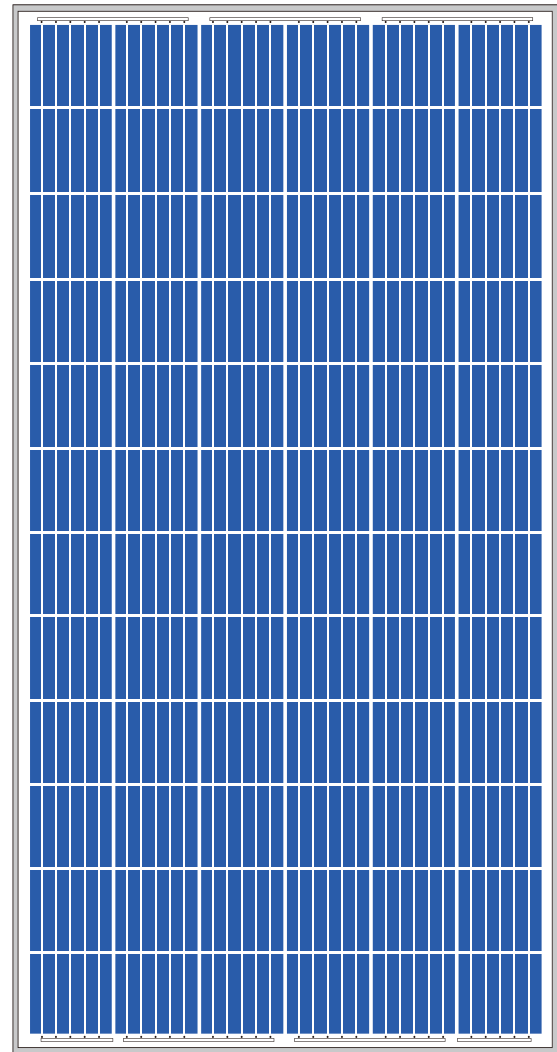
**Fire test approved**  
 Application class A, Safety Class II, Fire Rating C



**Excellent performance under extreme condition**  
 High salt mist and ammonia resistance



**Reliable quality forever**  
 Without potential induced  
 degradation(PID-free)



## CERTIFICATIONS

ISO9001:2015, ISO 14001:2015, ISO 45001:2018 (OHSAS 18001) certified company  
 IEC61215, IEC61730-1&2, IEC61701, IEC62804(PID) certified product



# TECHNICAL DATA

72 CELLS • 5BB • 1500V/1000V SERIES

POLYCRYSTALLINE SOLAR PV MODULES



## ELECTRICAL DATA

STC	SSS-300	SSS-320	SSS-330	SSS-340
Max. Power at STC $P_{max}$ (Wp)	300	320	330	340
Power Tolerance (%)	0 - 3	0 - 3	0 - 3	0 - 3
Max. Voltage $V_{mpp}$ (V)	37.29	38.52	38.95	39.88
Max. Current $I_{mpp}$ (A)	8.05	8.31	8.48	8.53
Open Circuit Voltage $V_{oc}$ (V)	44.64	45.73	46.08	46.58
Short Circuit Current $I_{sc}$ (A)	8.47	8.74	8.92	8.98
Module Efficiency (%)	15.45	16.48	17.01	17.51

## ELECTRICAL PARAMETERS

NOCT	SSS-300	SSS-320	SSS-330	SSS-340
Max. Power at NOCT $P_{max}$ (Wp)	223.46	238.28	245.87	253.23
Max. Voltage $V_{mpp}$ (V)	34.10	35.23	35.62	36.47
Current $I_{mpp}$ (A)	6.55	6.76	6.90	6.94
Open Circuit Voltage $V_{oc}$ (V)	41.51	42.52	42.85	43.31
Short Circuit Current $I_{sc}$ (A)	6.92	7.14	7.29	7.34

## TEMPERATURE COEFFICIENTS

Tc of Open Circuit Voltage $V_{oc}$ ( $\beta$ )	-0.31%/°C
Tc of Short Circuit Current $I_{sc}$ ( $\alpha$ )	0.04%/°C
Tc of Power $P_{max}$ ( $\gamma$ )	-0.39%/°C

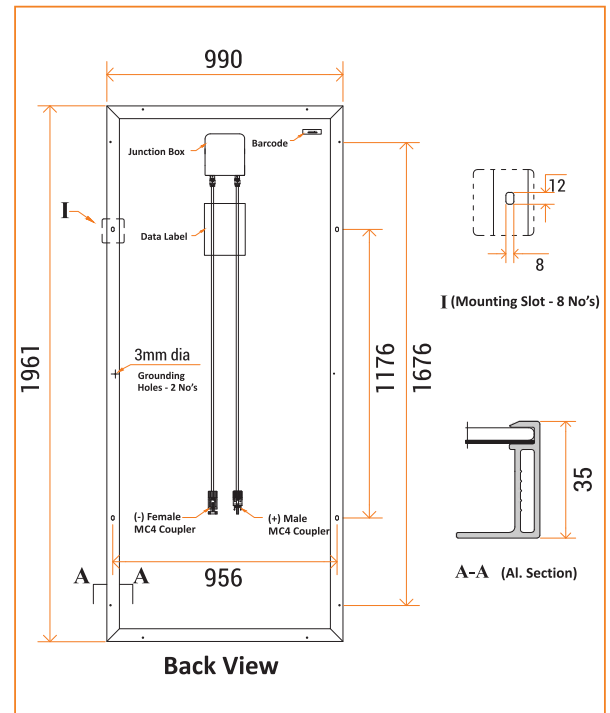
## PERMISSIBLE OPERATING CONDITIONS

Max. System Voltage	1500 VDC
NOCT	45±2 °C
Temperature Range	-40°C to +85°C

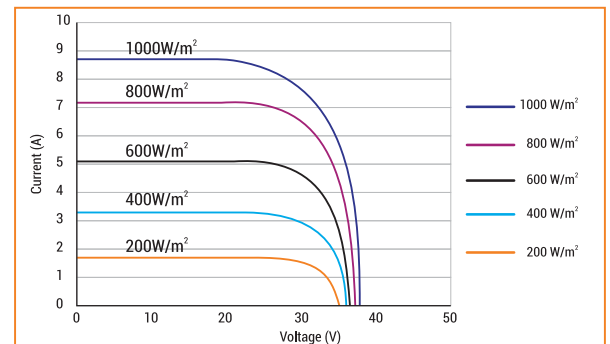
## MECHANICAL DATA

Solar Cell	72/ Multicrystalline Silicon /156.75mm x 156.75mm / 5BB
Cell Encapsulant	Ultra-Clear PID free EVA (Ethylene - Vinyl- Acetate)
Dimension	(L) 1961mm x (W) 990mm x (H) 35mm
Weight	20.5 Kg
Junction Box	IP68 / IP67 Certified, 4-rail, 3 Bypass diodes
Cable	1000 mm length / 4mm <sup>2</sup>
Plug Connector	MC4 Compatible / MC4 Connectors
Front Cover	3.2mm, High Transmission, AR Coated Tempered Glass
Backsheet	UV Protected Reflective Backsheet
Frame	Silver Anodized Aluminum Alloy (screwless)
Application Class	Class A
Electrical Safety	Class II
Fire Safety	Class C (Type 1)
Surface Load	Snow Load (5400 Pascal) & Wind Load (2400 Pascal)
Max. Series Fuse Rating	15 Amp

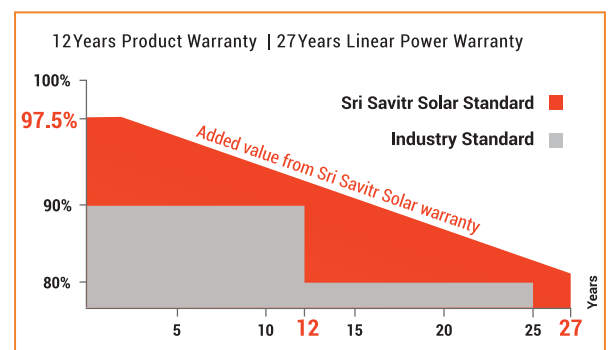
## DIMENSIONS in mm



## I-V CURVES



## LINEAR PERFORMANCE WARRANTY



## PACKAGING INFORMATION

Container	20' GP	40' HC
Pallets / Container	10	24
Modules /Container	300	720

**CAUTION :** READ SAFETY AND INSTALLATION INSTRUCTIONS BEFORE USING THE PRODUCT

Due to constant product modifications, Sri Savitr Solar reserves the right to amend the above specifications without prior notice. Please confirm your exact requirement with the company representative while placing your order.