



## 650Wp N-Type TOPCon-182,16BB

SAVITRU156- | 620 | 625 | 630 | 635 | 640 | 645 | 650

Maximum Module Efficiency - 23.27%



### Durability Against Extreme Environmental Conditions

Severe salt mist & blown sand resistance for seaside, farm and desert.  
Anti-reflective & Anti-soiling surface minimize power loss from dirt and dust



### PID Resistance

Excellent Anti-PID performance guarantee limited power degradation for Mass production (Potential Induced Degradation) under test conditions



### Positive tolerance

Guaranteed tolerance 0 - +5W  
Reliable power output



### High Efficiency

Higher module conversion efficiency (up to 23.27%) benefit from half cell structure (low resistance characteristic)



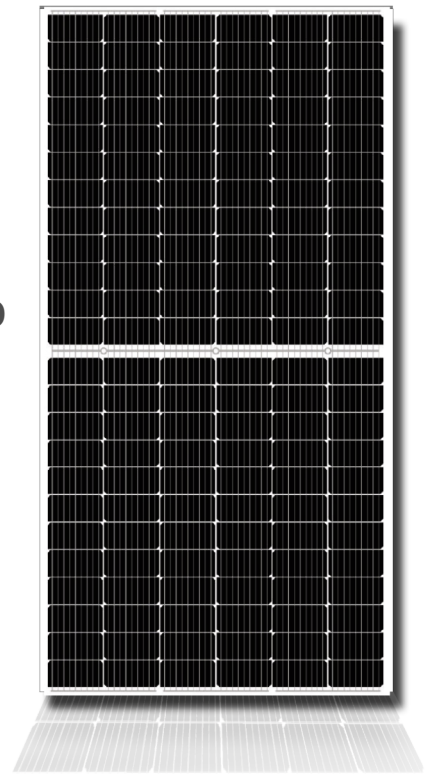
### Low-light Performance

Advanced glass and cell surface textured design ensure, Excellent performance in low-light environment.

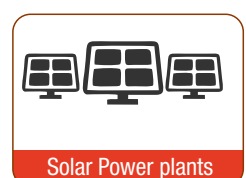


### Severe Weather Resilience

Excellent Snow load 5400Pa resistance  
Excellent Wind load 2400Pa resistance

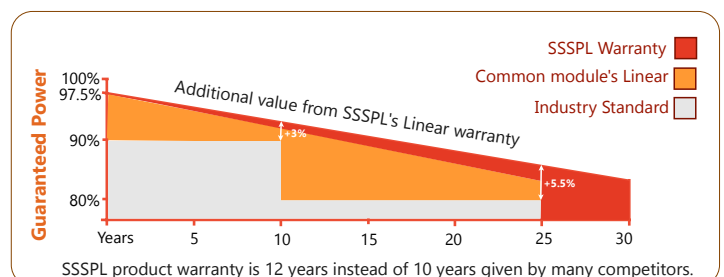


### Certifications:



- Sri Savitr Solar established in 2011, is Hi-tech corporation with its core business in R&D manufacturing, and sale of high efficiency silicon based solar modules.
- As one of the leading PV enterprises in the world, SSSPL has delivered more than 600MW Solar Photo Voltaic Modules to Residential, Commercial, utility and off-grid projects all around the world.
- Through strict selection of raw materials, stringent quality control and rigorous test in state of the art facilities in Hyderabad and TELANGANA, INDIA.
- SSSPL has always committed to higher efficiency, more stable and better cost performance products.

### LINEAR PERFORMANCE WARRANTY



### SRI SAVITR SOLAR PVT LTD

Plot No.34/1 Survey.No.374,C.I.E.Phase:2, Gandhinagar, Quthbulapur, Rangareddy, Hyderabad-500037,Telangana. India

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Electrical characteristics at Standard Test Conditions (STC)

MODEL	SAVITRU156-620	SAVITRU156-625	SAVITRU156-630	SAVITRU156-635	SAVITRU156-640	SAVITRU156-645	SAVITRU156-650
Maximum Power Pmax	620 (0~+5W)	625 (0~+5W)	630 (0~+5W)	635 (0~+5W)	640 (0~+5W)	645 (0~+5W)	650 (0~+5W)
Open Circuit Voltage - Voc (V)	55.72	55.86	55.94	56.02	56.11	56.16	56.26
Short Circuit Current-Isc (A)	14.12	14.20	14.27	14.35	14.44	14.54	14.63
Voltage at Maximum Power-Vmp (V)	46.12	46.21	46.34	46.46	46.52	46.56	46.64
Current at Maximum Power-Imp (A)	13.45	13.53	13.60	13.67	13.76	13.86	13.94
Module Efficiency %	22.20	22.37	22.55	22.73	22.91	23.09	23.27

\*Standard Test Conditions (STC) radiance 1000W/m ceil temperature 25°C, AM1.5G. The mentioned Power output is measured and determined by SSSPL at its sole and absolute discretion

Electrical Characteristics at Nominal Module Operating Temperature (NMOT)

MODEL	SAVITRU156-620	SAVITRU156-625	SAVITRU156-630	SAVITRU156-635	SAVITRU156-640	SAVITRU156-645	SAVITRU156-650
Maximum Power Pmax	467	470	473	476	480	485	489
Open Circuit Voltage - Voc (V)	52.78	52.96	53.08	53.72	53.98	54.12	54.32
Short Circuit Current-Isc (A)	11.53	11.58	11.61	11.67	11.74	11.83	11.88
Voltage at Maximum Power-Vmp (V)	42.51	42.62	42.76	42.84	42.93	43.02	43.23
Current at Maximum Power-Imp (A)	10.99	11.03	11.07	11.12	11.19	11.28	11.32

\*Nominal Operating Module temperature (NOCT) irradiance 800W/m²; Wind speed 1 mis, Ambient temperature 20°C

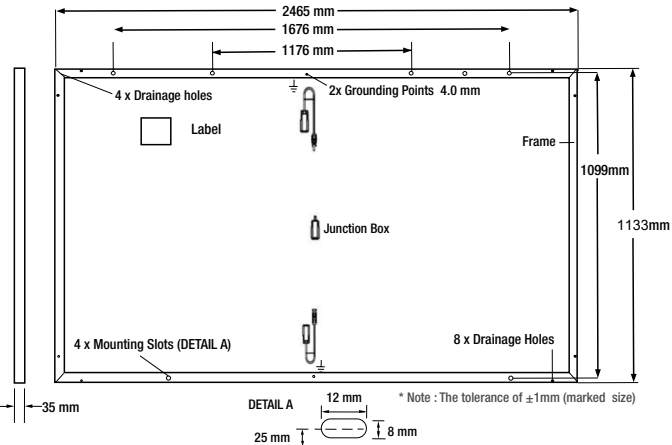
Temperature Characteristics		Maximum Ratings	
Voltage Temperature Coefficient β	-0.2530%/C	Maximum system voltage (VDC)	1500VDC
Current Temperature Coefficient α	+0.0437%/C	Series fuse rating (A)	30 A
Power Temperature Coefficient γ	-0.2980 %/C	Reverse Current overload (A)	40 A

Mechanical characteristics	
Dimensions (mm)	2465 X1133 X 35 mm
Weight (Kgs)	29.95 Kgs
Front Glass	High Transmittance, Low Iron toughened Glass-3.2mm Thickness
Cell Encapsulation	EVA (Ethylene-Vinyl-Acetate)
Back Sheet	Composite Film Tedlar White Back sheet (Optional Transparent Back sheet/Black Back sheet)
Number of Cells	N-Type TOPCon Solar Cells 16-BUSBAR, 91X 182 mm, 156 Cells, (6X13 Matrix-2 nos)
Junction Box	IP68, 3 By Pass Diodes, IEC 60529 and Safety Class II
Cable & Connector	2 X 4mm², Compatible with MC4, Positive (+) 400mm/ Negative (-)400mm
Frame	Silver Mat Anodized aluminum, Alloy Type 6063 15

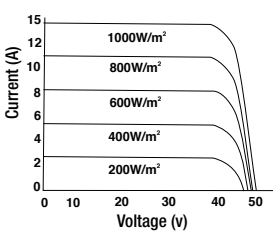
System Design	PACKING CONFIGURATION
Temperature Range	Pieces per Pallet
Wind/Snowload Capacity	Container 20' GP
Application Class	Container 40' HC
Safety Class	Packaging box dimensions (LXHXW)

Note: Please refer the user manual entirely before handling, Installing and operating SSSPL Solar Modules.

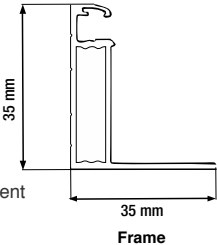
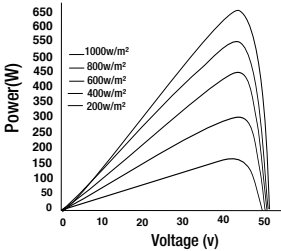
PHYSICAL CHARACTERISTICS



Current - Voltage Curve (650Wp)



Power- Voltage Curve (650Wp)



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MADE IN INDIA