



600Wp N-Type TOPCon-182,16BB

Monocrystalline Bifacial Dual Glass Module

SAVITRUG144- | 570 | 575 | 580 | 585 | 590|595|600

Maximum Module Efficiency -23.25%



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 23.25%) 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.

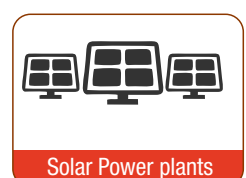


Severe Weather Resilience

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

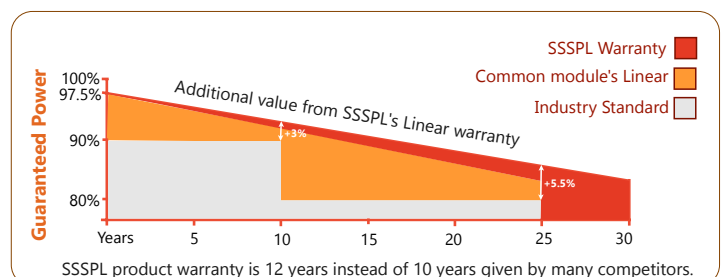


Certifications:



- 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

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Electrical characteristics at Standard Test Conditions (STC)

MODEL	SAVITRUG144-570	SAVITRUG144-575	SAVITRUG144-580	SAVITRUG144-585	SAVITRUG144-590	SAVITRUG144-595	SAVITRUG144-600
Maximum Power Pmax	570 (0~+5W)	575 (0~+5W)	580 (0~+5W)	585 (0~+5W)	590 (0~+5W)	595 (0~+5W)	600 (0~+5W)
Open Circuit Voltage - Voc (V)	50.74	50.89	51.04	51.19	51.38	51.58	51.77
Short Circuit Current-Isc (A)	14.31	14.38	14.45	14.52	14.64	14.70	14.78
Voltage at Maximum Power-Vmp (V)	42.07	42.22	42.37	42.54	42.71	42.88	43.04
Current at Maximum Power-Imp (A)	13.55	13.62	13.69	13.76	13.82	13.86	13.94
Module Efficiency %	20.09	22.28	22.48	22.67	22.86	23.06	23.25

*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	SAVITRUG144-570	SAVITRUG144-575	SAVITRUG144-580	SAVITRUG144-585	SAVITRUG144-590	SAVITRUG144-595	SAVITRUG144-600
Maximum Power Pmax	423.51	427.23	430.94	434.66	439.93	444.54	448.95
Open Circuit Voltage - Voc (V)	47.19	47.33	47.47	47.61	47.76	47.88	47.96
Short Circuit Current-Isc (A)	11.62	11.68	11.73	11.79	11.86	11.93	11.99
Voltage at Maximum Power-Vmp (V)	38.41	38.55	38.68	38.91	39.14	39.34	39.52
Current at Maximum Power-Imp (A)	11.00	11.06	11.12	11.18	11.24	11.30	11.36

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

Bifacial Output-Rearside Power Gain

5%	Maximum Power (Pmax) [W]	599	604	609	614	620	625	630
	Module Efficiency STC[%]	23.21	23.41	23.60	23.79	24.03	24.22	24.42
10%	Maximum Power (Pmax) [W]	627	633	638	644	649	665	660
	Module Efficiency STC[%]	24.30	24.53	24.73	24.96	25.15	25.38	25.58
20%	Maximum Power (Pmax) [W]	684	690	696	702	708	714	720
	Module Efficiency STC[%]	26.51	26.74	26.97	27.21	27.44	27.67	27.90

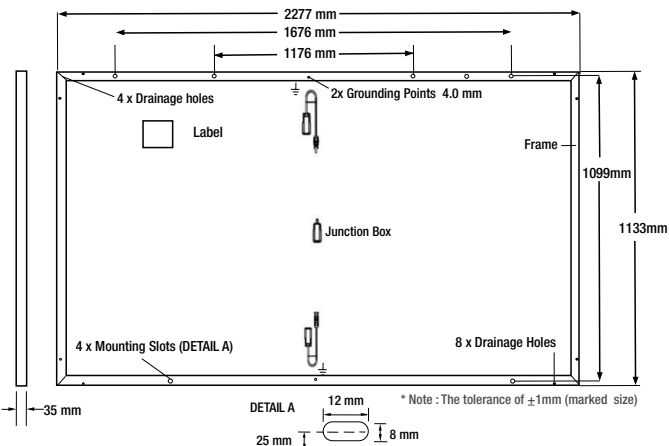
MECHANICAL SPECIFICATION

Cell Type	N-Type Monocrystalline
Cell Dimensions	182×182mm
Cell Arrangement	144(6×24)
Weight	32kg(±3%)
Module Dimensions	2277×1133×35mm
Cable	4.0 mm2 positive/negative:300mm (11.8inches), length Can be customized
Front Glass	2.0 mm (0.08 inches), High Transmission, AR Coated Heat Strengthened Glass
Back Glass	2.0 mm (0.08 inches), Heat Strengthened Glass (White Grid Glass)
Frame	Anodized aluminium alloy
Junction Box	Protection class Ip68
Connector	Mc4 Compatible
Mechanical Load	Front side 5400Pa/Rear side 2400Pa

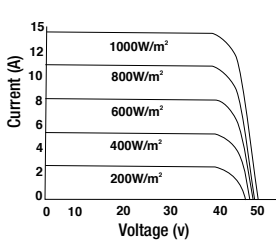
Temperature Characteristics		Maximum Ratings		System Design		PACKING CONFIGURATION	
Voltage Temperature Coefficient β	-0.2530%/C	Maximum system voltage (VDC)	1500VDC	Temperature Range	-40°C to 85°C	Pieces per Pallet	29 No's
Current Temperature Coefficient α	+0.0437%/C	Series fuse rating (A)	30 A	Wind/Snowload Capacity	2400Pa/5400 Pa	Container 20' GP	232 No's
Power Temperature Coefficient γ	-0.2980 %/C	Reverse Current overload (A)	40 A	Application Class	Class A	Container 40' HC	580 No's
				Safety Class	Class II	Packaging box dimensions (LXHXW)	2300X1180X1100mm

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

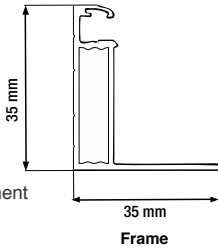
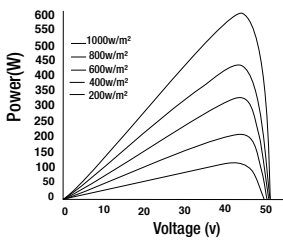
PHYSICAL CHARACTERISTICS



Current - Voltage Curve (600Wp)



Power- Voltage Curve (600Wp)



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