

HIGH PERFORMANCE POLYCRYSTALLINE, MONO PERC SOLAR PV MODULES

SELTRIKTM
by SunGarner Energies

PV Module

40-545w

Seltrik polycrystalline solar module has 36 cells of high performance. To improve the light absorption and efficiency these modules use an advanced surface texturing process. Seltrik PV modules have anti dust coating which improves the overall performance and increases the power generation. The cells used in Seltrik PV Modules have 25 years limited warranty on power output and 5 years limited warranty on materials or efficiency.



Features

- » Electroluminescence tested for microcracks
- » Mismatch losses in field are minimized due to sortation of cells by power and current
- » High fill factor for improved energy conversion efficiency
- » For wattage ranging from 200 and above, 72 cell configurations are used

Applications

- » Off-grid residential systems
- » On-grid rooftop residential, commercial and industrial rooftop installations
- » Solar Pumping applications



BETTER DESIGN FOR IMPROVED PERFORMANCE

Latest 5 Busbar configuration is used for better module efficiency and power output



HIGHLY DURABLE

High strength frame design can withstand front load of upto 5400 Pa and rear load of upto 2400 Pa to counter heavy winds and snowfall



BETTER PERFORMANCE IN LOW LIGHT AND HIGH TEMPERATURE

Improved temperature coefficient provides highly effective performance even in high temperature and advanced glass ensures high performance in low light.



HIGH PERFORMANCE OVER YEARS

SELTRIK PV modules are designed to deliver 80% performance even after 25 years of service.



www.seltrik.com
www.sungarner.com

PV MODULE RANGE

ELECTRICAL PARAMETERS

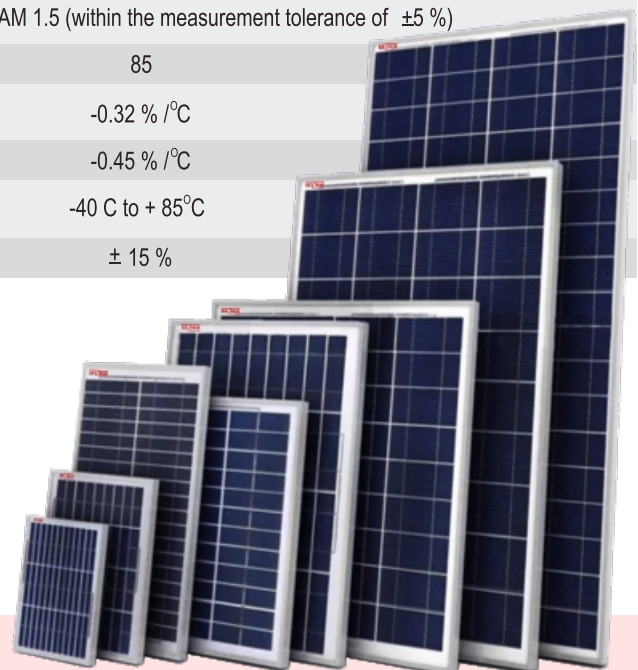
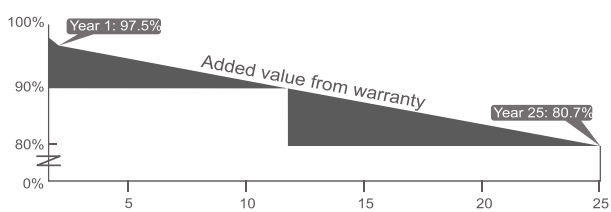
	MONOCRYSTALLINE				POLYCRYSTALLINE									
	150W 12V	200W 12V	400W 24V	545W 24V	40W 12V	50W 12V	60W 12V	75W 12V	110W 12V	165W 12V	200W 12V	250W 24V	335W 12V	335W 24V
Pmax. (Wp)														
Rated Voltage VMP (V)	20.21	20.33	40.67	41.9	18	18	18	18	18.2	19.1	18	36	19.1	38.2
Rated Current IMP (A)	7.43	9.84	9.84	13.02	2.22	2.78	3.33	4.17	6.05	8.64	11.11	6.94	17.54	8.77
Open Circuit Voltage VOC (V)	24.12	24.48	48.6	49.81	21.6	21.6	21.6	21.6	21.6	21.6	21.6	43.2	22.5	45
Short Circuit Current ISC (A)	7.82	10.1	10.1	13.9	2.33	2.92	3.5	4.38	6.22	8.94	11.66	7.29	18.2	9.12
Module Efficiency (%)	18.82	19.69	20.25	21.12	13.27	13.78	16.53	14.51	16.42	16.24	15.15	15.48	17.46	17.46
Solar Cells per Module	36	36	72	72	36	36	36	36	36	36	72	72	72	72
Module Dim. Width (W) mm	661	675	995	1133	666	666	666	666	666	675	981	981	981	981
Module Dim. Length (L) (mm)	1206	1505	1985	2278	432	545	545	776	1000	1505	1346	1646	1956	1956
Module Dim. Depth (D) (mm)	30	30	35	35	30	30	30	30	30	30	34	34	35	35
Weight Net/Gross (Approx) (Kg)	10	13	25.5	28	4.0	4.7	4.7	6.6	8.8	13.0	16.0	20.0	25	25
Mounting (C to C) (W) (mm)	632	640	960	1083	632	632	632	632	632	632	950	950	950	950
Mounting (C to C) (L) (mm)	581	741.5	800	990	300	300	300	388	503	741.5	800	800	800	800
Size of Mounting Hole (mm)	6*9	6*9	6*9	9*14	6*9	6*9	6*9	6*9	6*9	6*9	6*9	6*9	6*9	6*9
Maximum System Voltage (V)	1000		1500	1500		600					1000			1500

COMMON FEATURES

Junction Box	IP 65 - IP 68
Solar Cell	Poly Crystalline (Mono, Mono Perc- Optional)
Frame	Anodized Aluminium Alloy
Front Glass (Thickness) (mm)	3.2mm, Tempered Glass
Standard Test Condition (STC)	1000W/Met ² . 25°C, AM 1.5 (within the measurement tolerance of ±5 %)
Relative Humidity at 85°C (%)	85
Temperature coefficients of Voc (%)	-0.32 % /°C
Temperature coefficients of Pm (%)	-0.45 % /°C
Max. Permitted Module Temperature	-40 C to + 85°C
Tolerance on Electrical Parameter (%)	± 15 %

LINEAR PERFORMANCE WARRANTY

10 Year Product Warranty - 25 Year Linear Power Warranty





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