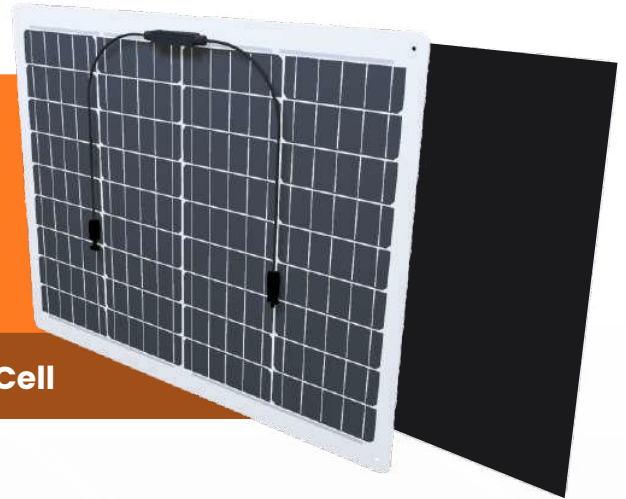


SN Flexible 50 Watt

36 Cells | 50 Watt | 156 MM Mono PERC Cell



P-Type

Positive Power Tolerance of $\sim \pm 5\%$

The company manufactures solar modules in compliance with global standard.

Key Features



High Efficiency

High Module efficiency is obtaining top performance even in diffused light conditions. We are leaders in providing our customers with maximum sunlight conversion.



Reduce Hot Spot Loss

Optimized electrical design and lower operating current for reduce hot spot loss and better temperature coefficient.



Long Life-Time Power Yield

0.55% annual power degradation and 25 Year linear power warranty.



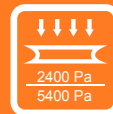
Durability Against Extreme Environmental Conditions

High Salt mist and ammonia resistance



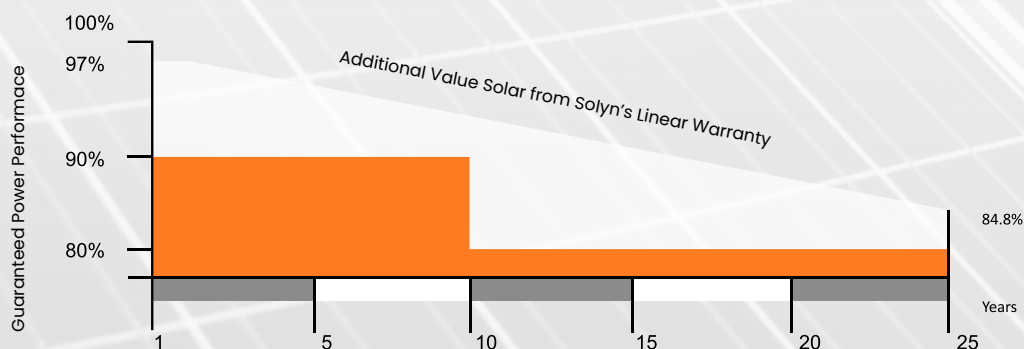
Applicatin Possibilities

Residential and Commercial rooftops, Car ports, Solar Farming, Balconies, Awnings, Street lights, Fences, and Canopies



Enhanced Mechanical Load

Certified to withstand, win load (2400 Pascal) and snowload (5400 Pascal).



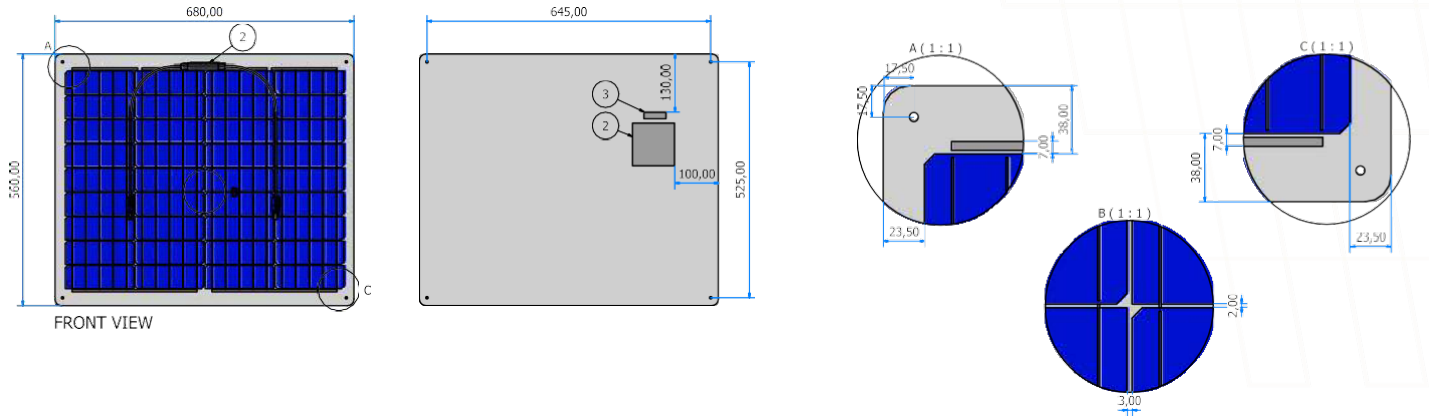
Linear Performance Warranty



25 Year Linear Power Warranty



0.55% Annual Degradation Over 25 Years



Mechanical Characteristics

Dimensions (L*W*H/mm)	560*680*22mm
Installation Holes Distance (L*W/mm)	h1=645*525mm
Weight	1.6 Kgs/3.52 Lbs
Cells (Monocrystalline)	Mono PERC Cell, 156*52mm (5BB)
No. of Cells	36 (9*2)
Glass (Tempered & Low Iron)	0.3mm
Encapsulant	EVA
Backsheet	White
Frame	-
Junction Box	IP68 Rated, with 1 Diodes
Cables	2*4mm ² ,L=600mm
Connectors	IP67, MC4 Compatible

Temperature Coefficient

Coefficient of Current (Isc)	+0.056% /°C
Coefficient of Voltage (Voc)	-0.32% /°C
Coefficient of Power (Pm)	-0.356% /°C

Tested Operating Conditions

Temperature Cycling Range	-40° C to 85° C
Humidity Freeze, Damp Heat	85% RH

Packaging Configuration

31 Pcs/Pallet
40FT/HQ Container: Total 96 Pallet = 2976 Pcs

SPECIFICATION

Module Type SN-50-36M

Maximum Power (Pmax/W)	50Wp
Maximum Power Voltage (Vmp/V)	17.4V
Maximum Power Current (Imp/A)	2.87A
Open-Circuit Voltage (Voc/V)	20.9V
Short-Circuit Current (Isc/A)	3.24A
Module Efficiency STC (%)	13.13%
Maximum System Voltage (VDC)	600VDC
Maximum Series Fuse Rating (A)	10
Power Tolerance (%)	± 5 %
Nominal Operating Cell Temperature (NOCT)	45%±2°C

*STC : Irradiance 1000W/m²

Cell Temperature 25°C

AM=1.5

NOCT : Irradiance 800W/m²

Ambient Temperature 20°C

AM=1.5

Wind Speed 1m/s