

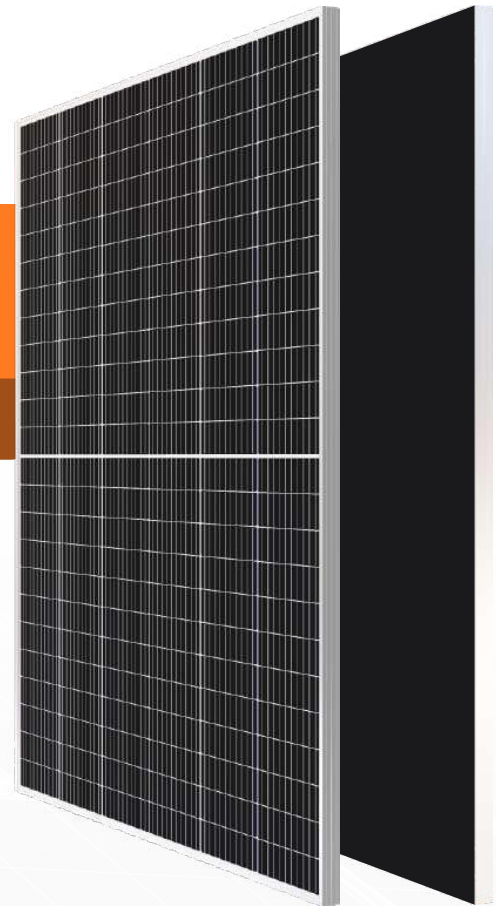
SN 530 – 550 W

144 Cells | 530 – 550 Watt | 182 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



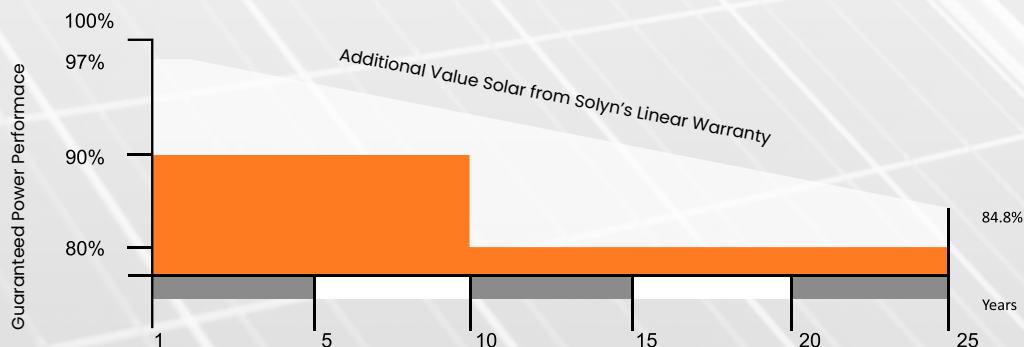
Applicatin Possibilities

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

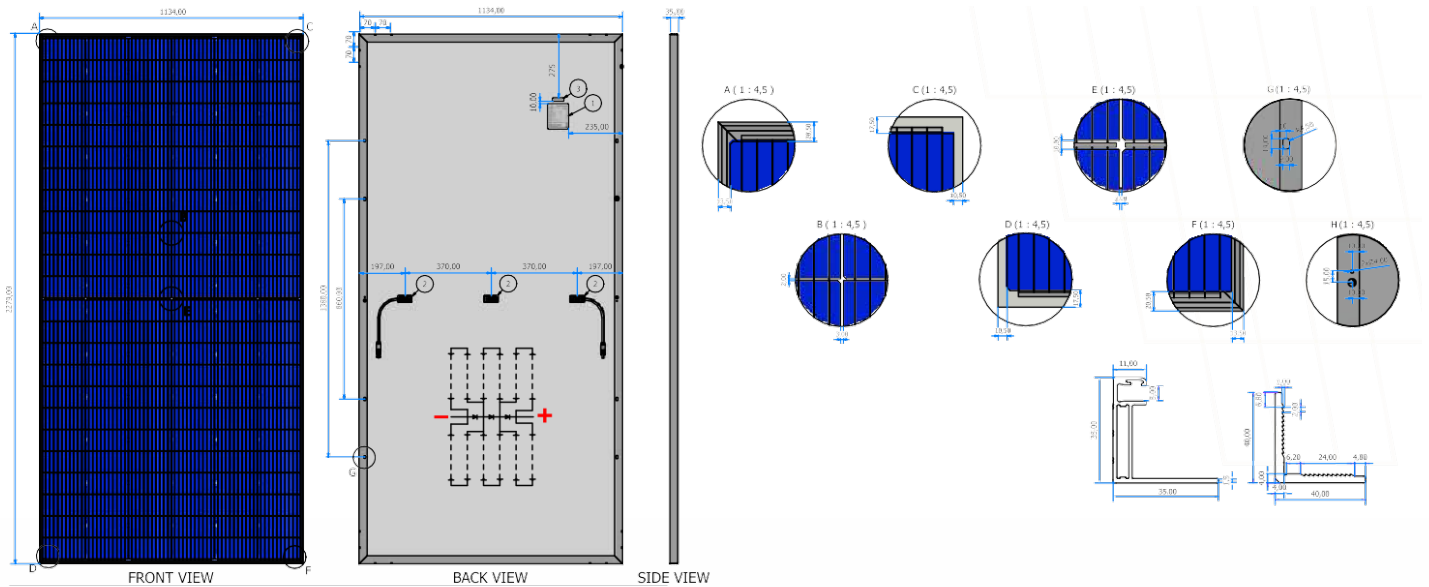


25 Year Linear Power Warranty



0.55% Annual Degradation Over 25 Years

Engineering Drawings



Mechanical Characteristics

Dimensions (L*W*H/mm)	2279*1134*35mm
Installation Holes Distance (L*W/mm)	h1=1360, h2=860*1084mm
Weight	28.9 Kgs/63.71 Lbs
Cells (Monocrystalline)	Mono PERC Cell M10, 182*91mm (10BB)
No. of Cells	144 (12*6)*2
Glass (Tempered & Low Iron)	3.2mm
Encapsulant	FVA
Backsheet	White
Frame	Anodized Aluminum Alloy
Junction Box	IP68, 3 Diodes, Split JB
Cables	2*4mm ² ,L=300mm
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 20 Pallet = 620 Pcs

SPECIFICATION

Module Type	SN-530-144M	SN-535-144M	SN-540-144M	SN-545-144M	SN-550-144M
Maximum Power (Pmax/W)	530Wp	535Wp	540Wp	545Wp	550Wp
Maximum Power Voltage (Vmp/V)	41.76V	41.99V	42.22V	42.45V	42.47V
Maximum Power Current (Imp/A)	12.69A	12.74A	12.79A	12.84A	12.95A
Open-Circuit Voltage (Voc/A)	48.88V	49.06V	49.23V	49.38V	40.54V
Short-Circuit Current (Isc/A)	13.32A	13.47A	13.50A	13.53A	13.58A
Module Efficiency STC (%)	20.51%	20.70%	20.89%	21.09%	21.28%
Maximum System Voltage (VDC)	1500VDC	1500VDC	1500VDC	1500VDC	1500VDC
Maximum Series Fuse Rating (A)	25	25	25	25	25
Power Tolerance (%)	± 5 %	± 5 %	± 5 %	± 5 %	± 5 %
Nominal Operating Cell Temperature (NOCT)	45%±2°C	45%±2°C	45%±2°C	45%±2°C	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