SP 235 Watt

P-Type

Positive Power Tolerance of +3 %

The company manufactures solar modules in compliance with global standard.

64 Cells

235 Watt

182mm
Mono PERC Cell





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 amonia resistance

Application Possibilities

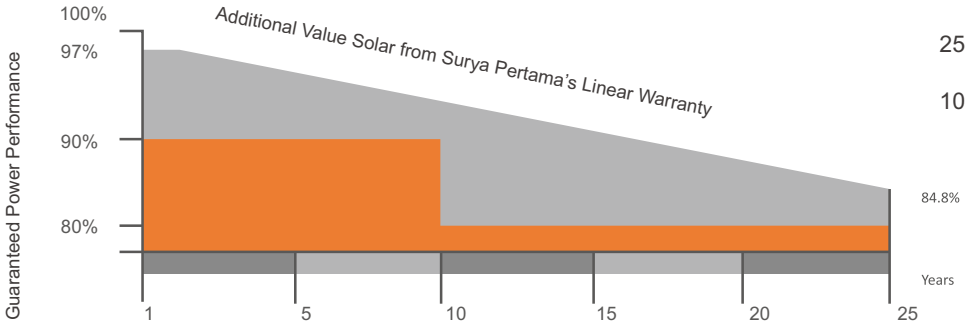
Residential and Commercial rooftops, Car ports, Solar Farming, Balconies, Awnings, Street lights, Fences, and Canopies.

Enhanced Mechanical Load

2400 Pa
5400 Pa

Certified to withstand : wind load (2400 Pascal) and snow load (5400 Pascal)

Linear Performance Warranty



25 Year Linear Power Warranty

10 Year Product warranty

Mechanical Parameter

Dimensions (L*W*H/mm)	1580*808*35mm
Installation Holes Distance (L*W/mm)	h1=800*768mm h2=1300*768mm
Weight	14 Kgs/30.86 Lbs
Cells (Monocrystalline)	Mono PERC Cell M10, 182*91mm (10BB)
No. of Cells	64 (16*4)
Glass (Tempered & Low Iron)	3.2mm
Encapsulant	EVA
Backsheet	White
Frame	Anodized Aluminum Alloy
Junction Box	IP65, 2 Diodes
Cables	1*4mm² , L=900mm
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

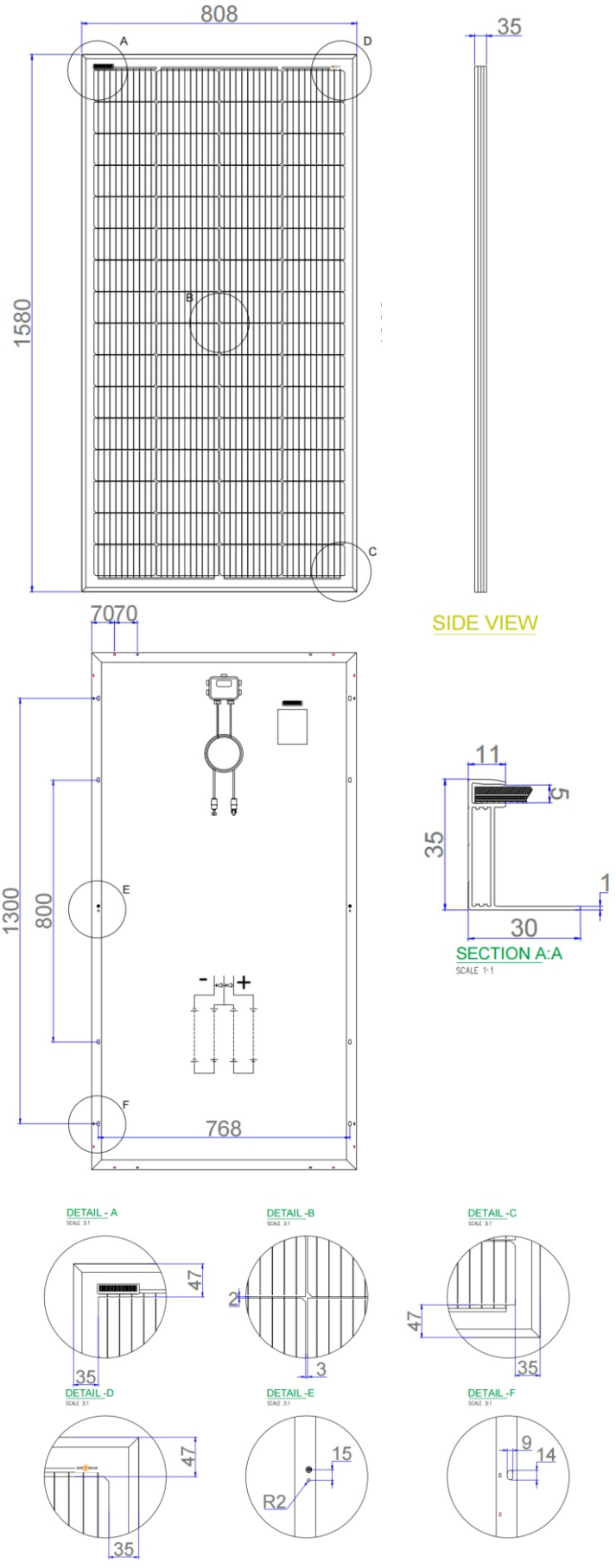
31 Pcs/Pallet

40FT/HQ Container : 1078 Pcs(with individual pcs on the top pallet)

SPECIFICATION

Module Type	SP-235-64M
Maximum Power (Pmax/W)	235
Maximum Power Voltage (Vmp/V)	37.22
Maximum Power Current (Imp/A)	6.36
Open Circuit Voltage (Voc/V)	43.53
Short Circuit Current (Isc/A)	6.68
Module Efficiency (%)	18.54
Maximum System Voltage (VDC)	1000VDC
Maximum Series Fuse Rating (A)	15
Power Tolerance (%)	+ 3 %
Nominal Operating Cell Temperature (NOCT)	45±2 ˚C

Engineering Drawings



*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