

Sunda 66M 485-505 Watt

MONO-FACIAL MODULE

P-Type

Positive power tolerance of 0~+3%

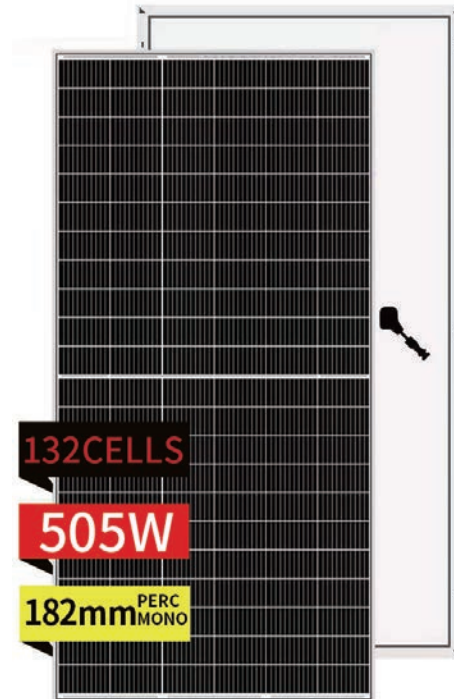
EN 55032:2015, EN55035:2017

ISO9001:2015: Quality Management System

ISO14001:2015: Environment Management System

ISO45001:2018

Occupational health and safety management systems



Key Features



Multi Busbar Technology

Better light trapping and current collection to improve module power output and reliability.



Reduced Hot Spot Loss

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



PID Resistance

Excellent Anti-PID performance guarantee via optimized mass-production process and materials control.



Enhanced Mechanical Load

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

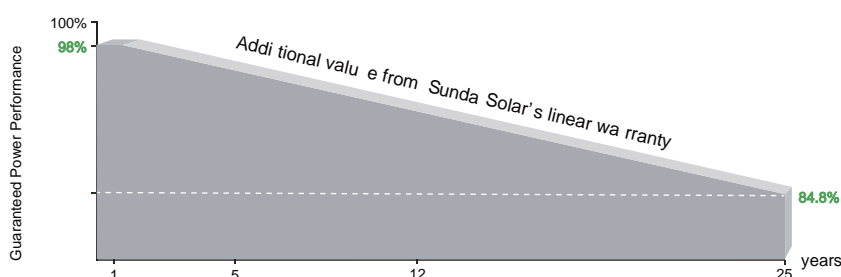


Durability Against Extreme Environmental Conditions

High salt mist and ammonia resistance.



LINEAR PERFORMANCE WARRANTY

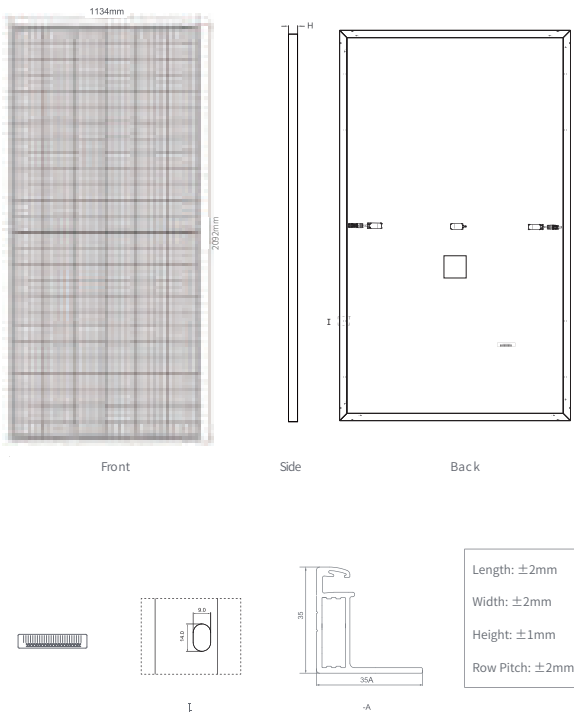


12 Year Product Warranty

25 Year Linear Power Warranty

0.55% Annual Degradation Over 25 years

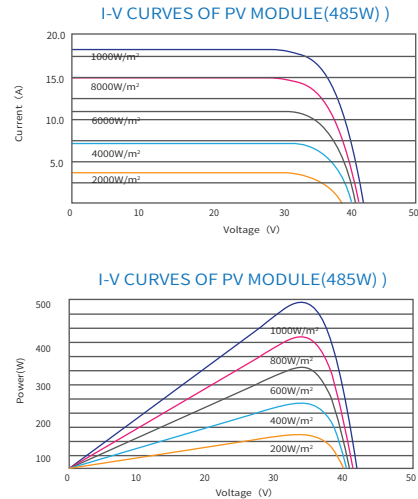
Engineering Drawings



Packaging Configuration

31 pieces per pallet, each container 682 pieces.

Electrical Performance & Temperature Dependence



Mechanical Characteristics

Cell Type	Mono PERC 182 × 182 mm
No. of cells	132 (6×22)
Dimensions	2092 × 1134 × 35 mm (82.36 × 44.65 × 1.18 inch)
Weight	25 kg (55.1 lbs)
Front Glass	3.2mm, Anti-Reflection Coating, High Transmission, Low Iron, Tempered Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP68 Rated
Output Cables	TUV 1 × 4.0mm ² (+): 290mm, (-): 145mm or Customized Length

SPECIFICATIONS

Module Type	SD485 M-66	SD490 M-66	SD495 M-66	SD500 M-66	SD505 M-66
	STC	STC	STC	STC	STC
Maximum Power (Pmax)	485 Wp	490 Wp	495 Wp	500 Wp	505 Wp
Maximum Power Voltage (Vmp)	37.93 V	38.08 V	38.23 V	38.38 V	38.53 V
Maximum Power Current (Imp)	12.79 A	12.87 A	12.95 A	13.03 A	13.11 A
Open-circuit Voltage (Voc)	45.1 V	45.25 V	45.4 V	45.55 V	45.71 V
Short-circuit Current (Isc)	13.67 A	13.74 A	13.82 A	13.90 A	13.97 A
Module Efficiency STC (%)	20.6%	20.9%	21.1%	21.3%	21.5%
Operating Temperature (°C)	-40°C ~ +85°C				
Maximum System Voltage	1000/1500VDC (IEC)				
Maximum Series Fuse Rating	20A				
Power Tolerance	0 ~ +3%				
Temperature Coefficients of Pmax	-0.35%/°C				
Temperature Coefficients of Voc	-0.29%/°C				
Temperature Coefficients of Isc	0.048%/°C				
Nominal Operating Cell Temperature (NOCT)	45 ± 2°C				

*STC: Irradiance 1000W/m²

Cell Temperature 25°C

AM=1.5