

OYUNGSOLAR

OSM72PPM

550-570 Watt

HALF CELL

P-Type PERC

MONOFACIAL

Longer Life-time Power Yield

0.45% annual power degradation and 30 year linear power warranty.

HOT 3.0 Technology

HOT 3.0 technology offer better reliability and efficiency.

Dual-Sided Power Generation

Dual-sided power generation gain increases with backside exposure to light, significantly reducing LCOE.

Mechanical Load Enhanced

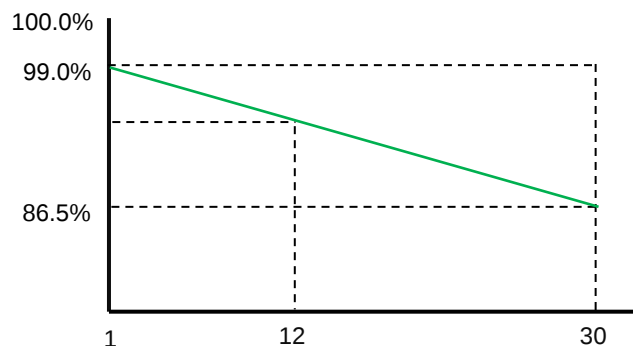
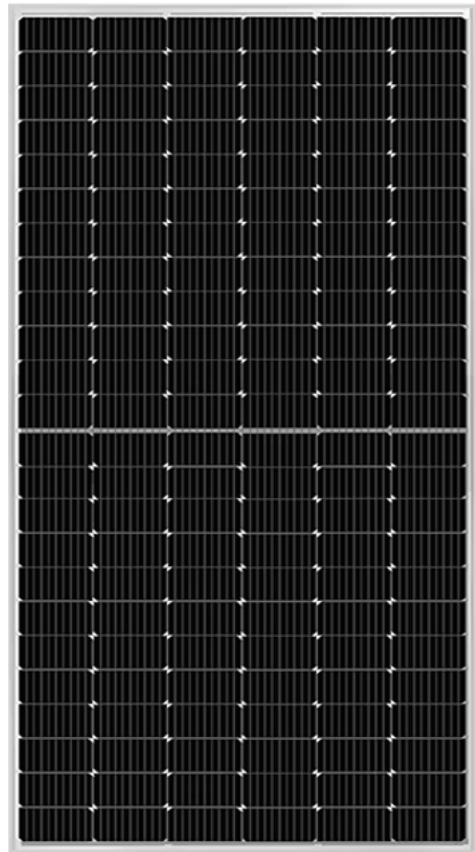
Certified to withstand: 5400 Pa front side max static test load, 2400 Pa rear side max static test load

SMBB Technology

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

Anti-PID Guarantee

Minimizes the chance of degradation caused by PID phenomena through optimization of cell production technology and material control.



12 years product warranty

30 years Linear power warranty

1.0% first-year degradation

0.45% annual degradation over 30 years

IEC61215:2021 / IEC61730:2023

IEC61701 / IEC62716 / IEC60068 / IEC62804

ISO9001:2015: Quality Management System

ISO14001:2015: Environment Management System

ISO45001:2018: Occupational health and safety management systems



OSM72PPM 550-570

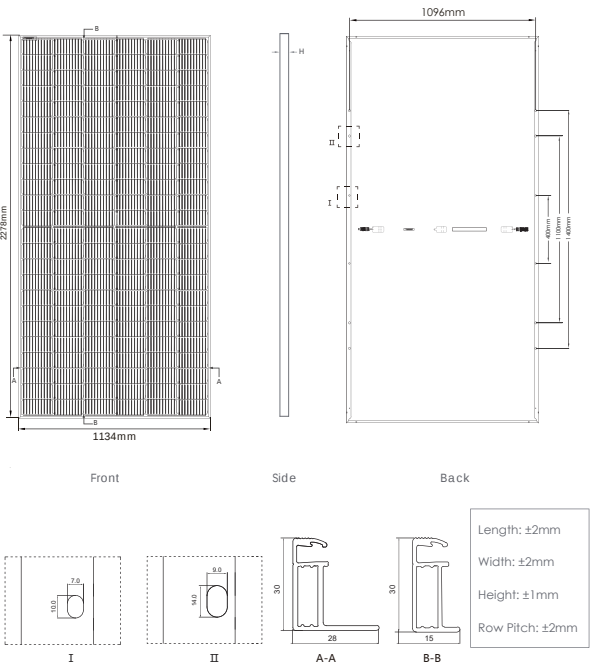
OYUNGSOLAR

OYUNG CORPORATION all rights reserved.

www.oyungsolar.com

OSM72PPM 550-570

Engineering Drawings



Packaging

Pallet Dimensions	/
Packing Detail	36 pcs/pallets, 72 pcs/stack 720 pcs/ 40'HC

Specifications

Module Type	OSM72PPB 550		OSM72PPB 555		OSM72PPB 560		OSM72PPB 565		OSM72PPB 570	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax/W)	550	409	555	413	560	417	565	420	570	424
Maximum Power Voltage (Vmp/V)	40.90	10.65	40.99	10.70	41.09	10.77	41.21	10.85	41.34	10.92
Maximum Power Current (Imp/A)	13.45	38.42	13.54	38.59	13.63	38.69	13.71	38.74	13.79	38.84
Open-circuit Voltage (Voc/V)	49.62	46.84	49.72	46.93	49.82	47.02	49.93	47.13	50.04	47.23
Short-circuit Current (Isc/A)	14.03	11.33	14.12	11.40	14.21	11.48	14.30	11.55	14.39	11.62
Module Efficiency (STC/%)	21.29		21.48		21.68		21.87		22.07	
Operating Temperature (°C)	-40~+85									
Maximum System Voltage	1500VDC (IEC)									
Maximum Series Fuse Rating	25A									
Power Tolerance	0~+3%									
Temperature Coefficients of Pmax	-0.35%/°C									
Temperature Coefficients of Voc	-0.28%/°C									
Temperature Coefficients of Isc	0.048%/°C									
Nominal Operating Cell Temperature (NOCT)	45±2°C									

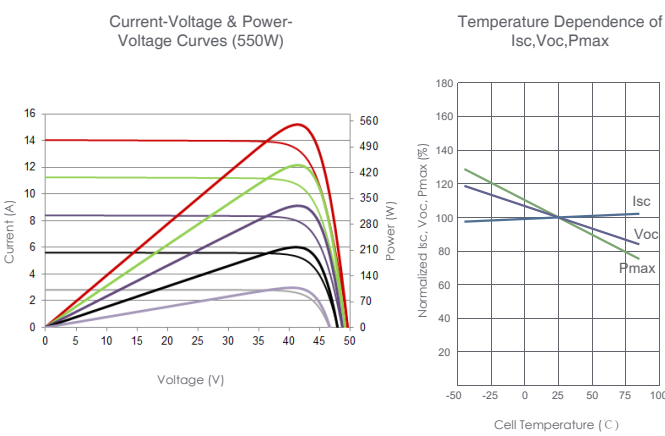
STC: Irradiance 1000W/m², Cell Temperature 25°C, AM=1. NOCT: Irradiance 800W/m², Ambient Temperature 20°C, AM=1.5, Wind Speed 1m/s

OYUNG SOLAR

OYUNG CORPORATION all rights reserved.

www.oyungsolar.com

Electrical Performance



Mechanical Parameters

Cell Type	P-type PERC
No. of Cells	144 (72×2)
Dimension	2278×1134×35mm
Weight	27.0kg
Front Glass	2.0 mm, anti-reflection coating
Frame	anodized aluminium alloy
Junction Box	IP68 rated
Output Cables	4.0mm ² , (+): 400mm, (-): 200mm