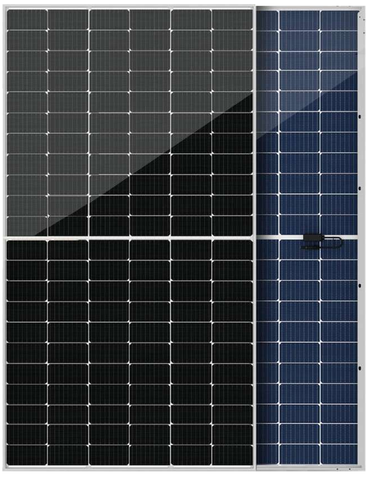
SW630N-132

N Type TOPcon Bifacial Module132 Cells 620W-630W



Mono Solar Panel Features

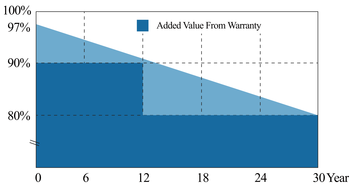
- Widely using of the most popular and mature type of modules for solar system
- High power output and highest conversion efficiency of 23.32%
- Anti-reflective and anti-soiling surface reduces power loss from dirt and dust
- Outstanding Performance in low-light irradiance environments
- 5400Pa — Excellent mechanical load resistance: Certified to withstand high wind loads (2400Pa) and Snow loads (5400Pa)
- 0~+5W — Positive power tolerance: 0~+5W

Warranty

- 12 years for product defects in materials & workmanship
- 12 years for 90% of warranted minimum power output
- 30 years for 80% of warranted minimum power output
- 30 years liner warranty

Reliable Quality

- Positive power tolerance: 0~+5W
- 100% EL Double-inspection ensures modules are defects free
- Modules Binned by Current to improve system performance
- Potential induced Degradation (PID) Resistant



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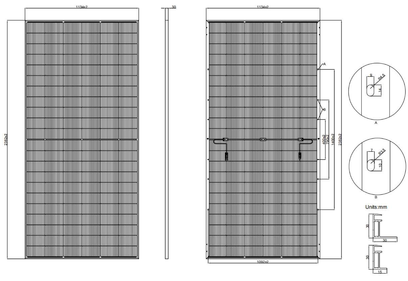
Mechanical parameters

Cell(mm)	N Type 182*105mm
Weight(kg)	32.5kg
Glass Thickness	2.0mm
Dimensions (L*W*H)(mm)	2382*1134*30mm
Cable Cross Section Size (mm²)	4
Cable Cross Section Length (mm)	300
No.of Cells and Connections	132(6*22)
Junction Box	IP68
Connector	MC4 Compatiple

Engineering Drawings



Modules Per Pallet	36Pcs
Modules Per 40HQ	720Pcs

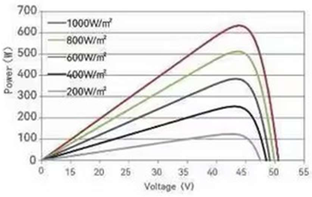
Working Conditions

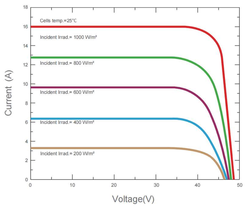
Maximum System Voltage	DC 1500V
Operating Temperature	-40℃~+85℃
Maximum Series Fuse	25A/30A
Maximum Static Load,Front (e.g.,snow and wind)	5400Pa (112 lb/ft²)
Maximum Static Load,Back (e.g.,wind)	2400Pa (50 lb/ft²)
NOCT	45±2℃
Positive power tolerance	0~+5W
Application Class	Class A

Electrical Parameters

Module	SW620N-132 ~ SW630N-132		
Encapsulation	Glass/Eva/Cell/Eva/Glass		
Maximum Power Pmax (W)	620	625	630
Maximum Power Voltage (Vmp/V)	41.4	41.7	41.95
Maximum Power Current (Imp/A)	14.98	14.99	15.02
Open Circuit Voltage (Voc/V)	49.6	49.9	50.2
Short Circuit Current (Isc/A)	15.91	15.92	15.94
Module Efficiency (%)	22.95	23.14	23.32
Power Tolerance (W)	0 ~ +5W		
Temperature Coefficient of Isc (αIsc)	+0.046%/℃		
Temperature Coefficient of Voc (βVoc)	-0.25%/℃		
Temperature Coefficient of Pmax (γPmp)	-0.30%/℃		
STC	Irradiance 1000W/㎡, Cell Temperature 25℃, Air Mass 1.5		

I-V Curve





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