



TOPCON

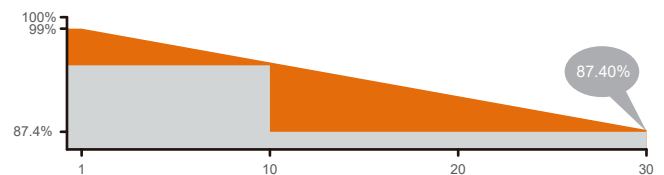


IEARWAT

IEARWAT TOPCon Linear Warranty

IE-PV-500-1 500 Watt

210x182mm 16BB 108Cells All Black Double Glass Bifacial
TOPCon Mono Half Cell PV Module Series



15 Years
Materials and workmanship

30 Years
87.4% Output Power guarantee



SMBB Technology
Half Cut TOPCon Cell



High Energy
Performance



100% Inspection
30years Guarantee



Fire Class A

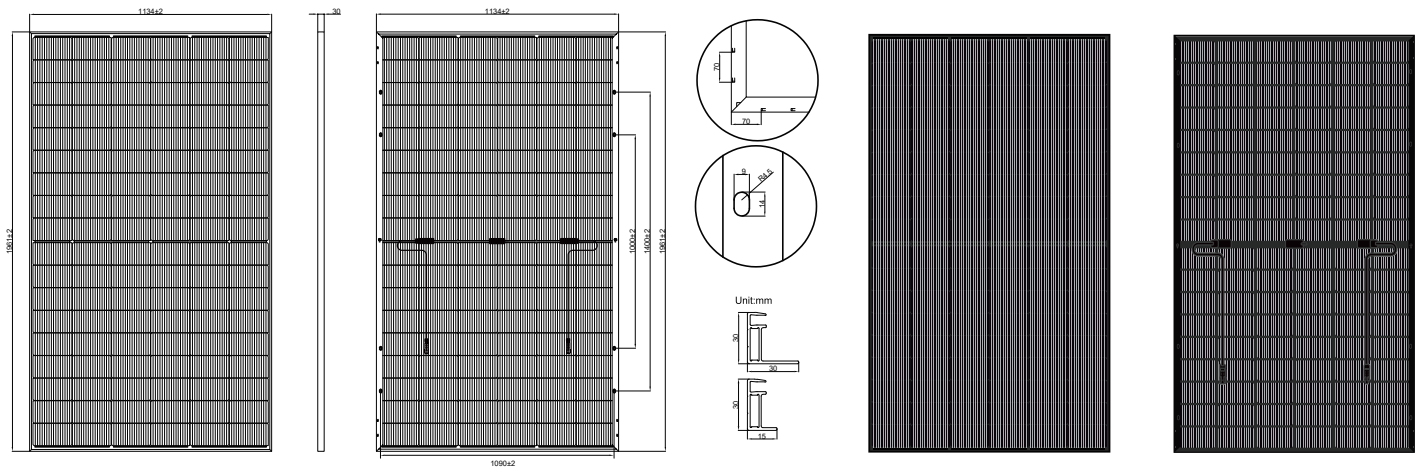


5400Pa
Strengthened
Mechanical Load



Advanced Bifacial
Efficiency





All Dimensions in mm
The above drawing is a graphical representation of the product.

Electrical Characteristics (STC)

Module Type	SKT500M12-108D6
Front Side	STC
Maximum Power- Pmax(W)	500
Open Circuit Voltage - Voc(V)	39.90
Short- Circuit Current - Isc(A)	15.93
Voltage at Pmax -Vmp(V)	33.18
Current at Pmax - Imp(A)	15.07
Module Efficiency - η m(%)	22.48
Power Tolerance(W)	(0, +5W)
Maximum System Voltage(V)	1500Vdc (IEC / UL)
Maximum Series Fuse Rating (A)	30A

STC : Irradiance 1000W/m², Cell Temperature 25°C, Air Mass 1.5

NOCT : Irradiance 800W/m², Ambient Temperature 20°C, Air Mass1.5, Wind Speed 1m/s

Mechanical Specifications

External Dimensions	1961x1134x30mm
Weight	26.7kg
Solar Cells	N-Type 16BB 182x105mm (2x54pcs)
Front Glass	AR Coated 1.6+1.6 mm tempered glass
Frame	Anodized aluminum alloy
Junction Box	IP68
Output Cables	4.0mm ² , 1200mm (+), 1200mm (-), length can be customized
Connector	MC4 Compatible
Mechanical Load	Front Side Max. 5400Pa, Rear Side Max. 2400Pa

Temperature Characteristics

Pmax Temperature Coefficient	-0.290%/°C
Voc Temperature Coefficient	-0.250%/°C
Isc Temperature Coefficient	+0.045%/°C
Operating Temperature	-40~+85°C
Nominal Operating Cell Temperature(NOCT)	45±2°C

Packing Configuration

	1961x1134x30mm
Container	40'HQ
Pieces per Pallet	36
Pallets per Container	24
Pieces per Container	864

Current-Voltage & Power-Voltage Curves (IE-PV-500-1)

