

SynMax ¹ 72HS 540~555 Watt

MONO-FACIAL MODULE

P-Type

0~+3% Positive power tolerance

SynMax-1 72HS mono crystalline silicon solar module is particularly designed for large rooftops and solar farms. Its extraordinarily high power output and power density reduce BOS cost significantly and provide better LCOE.



21.5%
Max Efficiency

25 Years
Power Warranty

Key Features



Multi-busbar Technology

Multi-busbar helps to trap more light and electricity

M10

M10(182mm) Cell

M10 cell provides extraordinarily high power



Less Hot Spot Risk

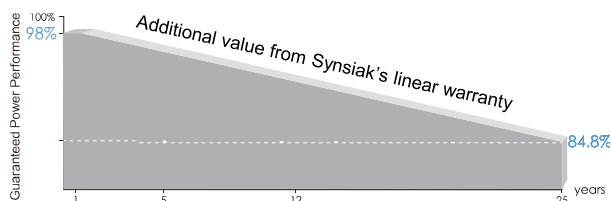
Half-cut technology reduces inner loss and hot spot risk



Better LCOE

Excellent performance brings better LCOE

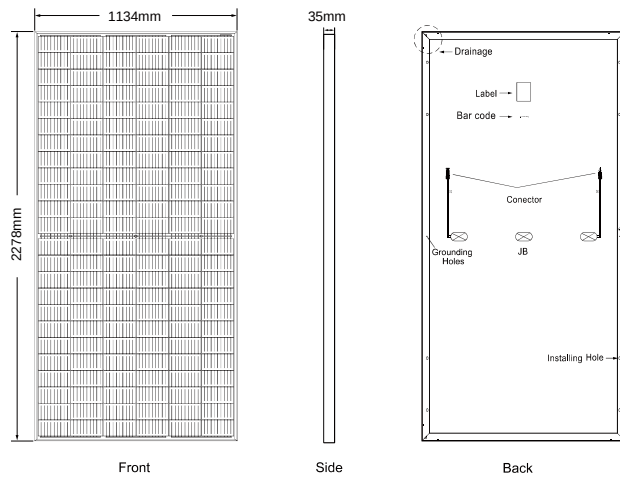
Linear Performance Warranty



12 Years Product Warranty

25 Years Linear Power Warranty

0.55% Annual Degradation



MECHANICAL CHARACTERISTICS

Cell Type	P type Mono-crystalline 182x91mm
No. of Cells	144 cells
Dimensions	2278(±2)×1134(±2)×35(±1)mm
Weight	28.5kg±3%
Front Glass	3.2mm, Anti-Reflection Coating, High Transmission, Low Iron, Tempered Glass
Frame	Anodized Aluminum Alloy
Max Static Loading	5400Pa(front)/2400Pa(rear)
Junction Box	IP68 Rated
Output Cables	4.0 mm2, cable length: 300 mm or Customized Length

PACKAGING CONFIGURATION

(Two pallets = One stack)

31pcs/pallets, 62pcs/stack, 620pcs/ 40'HQ Container

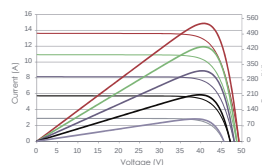
SPECIFICATIONS

Module Type	SK2-M72HS-540	SK2-M72HS-545	SK2-M72HS-550	SK2-M72HS-555
Maximum Power (Pmax/W)	540	545	550	555
Maximum Power Voltage (Vmp/V)	41.70	41.85	42.00	42.15
Maximum Power Current (Imp/A)	12.95	13.03	13.10	13.17
Open-circuit Voltage (Voc/V)	49.55	49.70	49.85	50.00
Short-circuit Current (Isc/A)	13.85	13.91	13.97	14.02
Module Efficiency STC (%)	20.9	21.1	21.3	21.5
Operating Temperature	-40°C~+85°C			
Maximum System Voltage	1500VDC			
Maximum Series Fuse Rating	25A			
Power Tolerance	0~+3%			
STC	Irradiance 1000W/M2, cell temperature 25°C, AM 1.5			

TEMPERATURE RATINGS

Temperature Coefficient of Pmax	-0.35%/°C
Temperature Coefficient of Voc	-0.275%/°C
Temperature Coefficient of Isc	+0.045%/°C
Nominal Operating Cell Temperature (NOCT)	45±2°C

Current-Voltage & Power-Voltage Curve
(540W)



Temperature Dependence of Isc, Voc, Pmax

