

TeraMax Neo 72HS

545~570 watt

N-Silicon, 182 HALF-CUT, MONO-FACIAL MODULE

TeraMax Neo 72HS mono crystalline silicon solar module is particularly designed for large rooftops and solar farms. With N-Silicon technology, its extraordinarily high power output and excellent performance reduce BOS cost significantly and provide better LCOE.



Key Features



TeraMax Neo Technology

Innovated cell structure brings extremely high efficiency



Lower LID/LETID

N-Silicon technology provides better reliability and lower LID/LETID



Multi-busbar Technology

Multi-busbar helps to trap more light and electricity



Better Temperature Coefficient

Better temperature coefficient provides less hot loss



Excellent Low Irradiance Performance

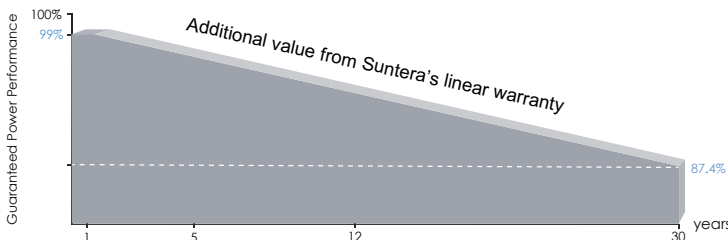
Longer working hours and more power



Better LCOE

Excellent performance brings better LCOE

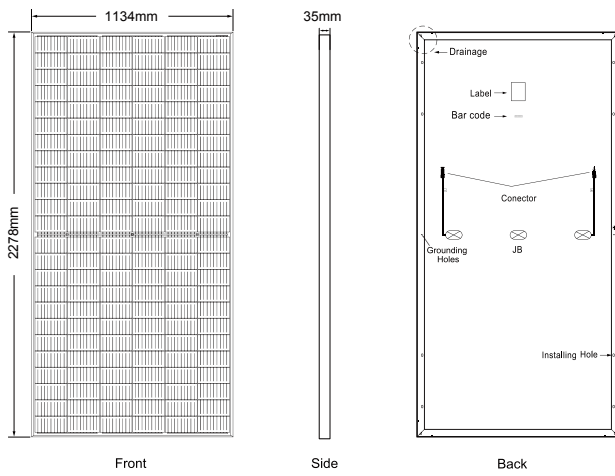
Linear Performance Warranty



15 Years Product Warranty

30 Years Linear Power Warranty

0.4% Annual Degradation Over 25 Years



MECHANICAL CHARACTERISTICS

Cell Type	N type Mono-crystalline 182x91mm
No. of Cells	144 cells
Dimensions	2278(±2)×1134(±2)×35(±1)mm
Weight	28kg±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 mm ² , cable length: 300 mm or Customized Length

PACKAGING CONFIGURATION

(Two pallets = One stack)

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

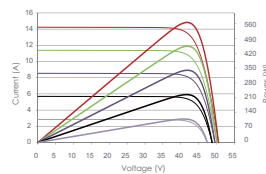
SPECIFICATIONS

Module Type	ST2-M72HS-545	ST2-M72HS-550	ST2-M72HS-555	ST2-M72HS-560	ST2-M72HS-565	ST2-M72HS-570
Maximum Power (P _{max} /W)	545	550	555	560	565	570
Maximum Power Voltage (V _{mp} /V)	41.38	41.51	41.64	41.77	41.92	42.01
Maximum Power Current (I _{mp} /A)	13.17	13.26	13.33	13.41	13.48	13.55
Open-circuit Voltage (V _{oc} /V)	50.08	50.21	50.34	50.47	50.60	50.74
Short-circuit Current (I _{sc} /A)	13.91	13.99	14.07	14.15	14.23	14.31
Module Efficiency STC (%)	21.1	21.3	21.5	21.7	21.9	22.1
Operating Temperature	-40°C~+85°C					
Maximum System Voltage	1500VDC					
Maximum Series Fuse Rating	25A					
Power Tolerance	0~+3%					
STC	Irradiance 1000W/M ² , cell temperature 25°C, AM 1.5					

TEMPERATURE RATINGS

Temperature Coefficient of P _{max}	-0.30%/°C
Temperature Coefficient of V _{oc}	-0.25%/°C
Temperature Coefficient of I _{sc}	+0.046%/°C
Nominal Operating Cell Temperature (NOCT)	45±2°C

Current-Voltage & Power-Voltage Curve (565W)



Temperature Dependence of I_{sc}, V_{oc}, P_{max}

