

TeraMax 72HS

535~550 watt

182 HALF-CUT CELL, MONO-FACIAL MODULE

TeraMax 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.



Key Features



Multi-busbar Technology

Multi-busbar helps to trap more light and electricity



M10(182mm) Cell

M10 cell provides extraordinarily high power



Less Hot Spot Risk

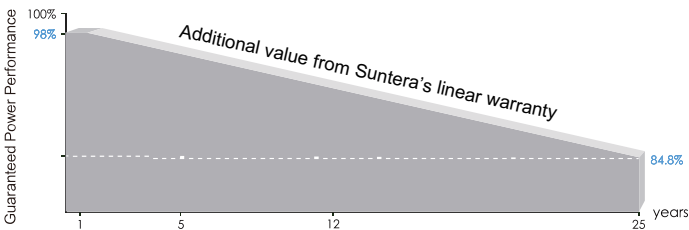
Half-cut technology reduces inner loss and hot spot risk



Better LCOE

Excellent performance brings better LCOE

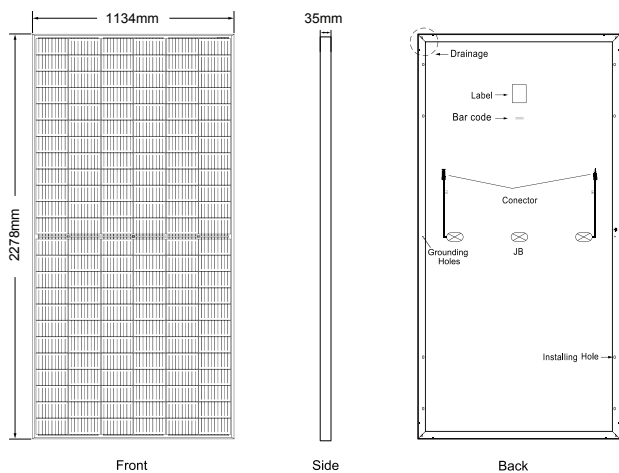
Linear Performance Warranty



12 Years Product Warranty

25 Years Linear Power Warranty

0.55% Annual Degradation Over 25 Years



MECHANICAL CHARACTERISTICS

Cell Type	P 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-535	ST2-M72HS-540	ST2-M72HS-545	ST2-M72HS-550
Maximum Power (P _{max} /W)	535	540	545	550
Maximum Power Voltage (V _{mp} /V)	41.44	41.64	41.86	41.96
Maximum Power Current (I _{mp} /A)	12.91	12.97	13.02	13.11
Open-circuit Voltage (V _{oc} /V)	49.34	49.42	49.51	49.6
Short-circuit Current (I _{sc} /A)	13.79	13.85	13.94	14.04
Module Efficiency STC (%)	20.7	20.9	21.1	21.3
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}	-0.35%/°C
Temperature Coefficient of V _{oc}	-0.27%/°C
Temperature Coefficient of I _{sc}	+0.048%/°C
Nominal Operating Cell Temperature (NOCT)	45±2°C

Current-Voltage & Power-Voltage Curve

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

