

# Tera 72HS

## 440~450 watt

### 166 HALF-CUT CELL, MONO-FACIAL MODULE

Tera 72HS mono crystalline silicon solar module, designed in classic pattern, is a good choice for large rooftops. Its remarkable reliability and high efficiency provide strong guarantee of excellent performance.



## Key Features



### Multi-busbar Technology

Multi-busbar helps to trap more light and electricity



### Enhanced Structure

Enhanced structure provides extraordinary durability



### Less Hot Spot Risk

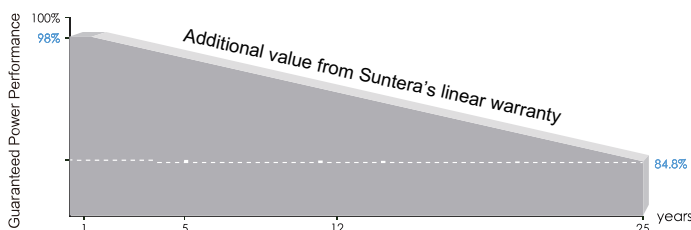
Half-cut technology reduces inner loss and hot spot risk



### Better LCOE

Excellent performance brings better LCOE

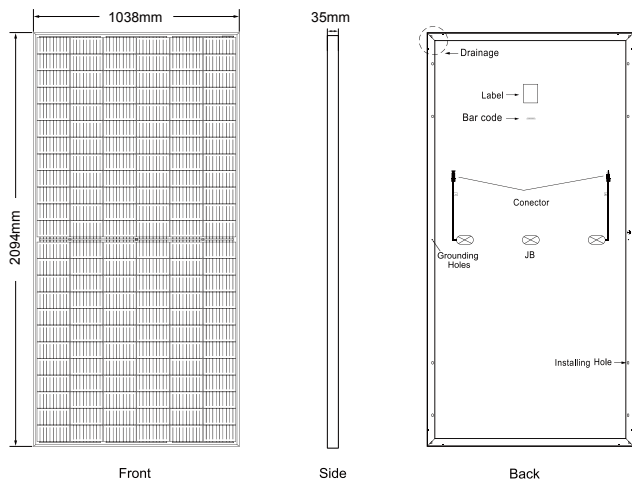
## Linear Performance Warranty



**12 Years Product Warranty**

**25 Years Linear Power Warranty**

**0.55% Annual Degradation Over 25 Years**



## MECHANICAL CHARACTERISTICS

Cell Type	P type Mono-crystalline 166x83mm
No. of Cells	144 cells
Dimensions	2094(±2)×1038(±2)×35(±1)m m
Weight	24kg±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	IP67 Rated
Output Cables	4.0 mm <sup>2</sup> , cable length: 300 mm or Customized Length

## PACKAGING CONFIGURATION

( Two pallets = One stack )

31pcs/pallets, 62pcs/stack, 682pcs/ 40'HQ Container

## SPECIFICATIONS

Module Type	ST1-M72HS-440	ST1-M72HS-445	ST1-M72HS-450
Maximum Power (P <sub>max</sub> /W)	440	445	450
Maximum Power Voltage (V <sub>mp</sub> /V)	41.08	41.28	41.47
Maximum Power Current (I <sub>mp</sub> /A)	10.71	10.78	10.85
Open-circuit Voltage (V <sub>oc</sub> /V)	50.08	50.24	50.4
Short-circuit Current (I <sub>sc</sub> /A)	11.33	11.4	11.47
Module Efficiency STC (%)	20.2	20.5	20.7
Operating Temperature	-40°C~+85°C		
Maximum System Voltage	1500VDC		
Maximum Series Fuse Rating	20A		
Power Tolerance	0~+3%		
STC	Irradiance 1000W/M <sup>2</sup> , cell temperature 25°C, AM 1.5		

## TEMPERATURE RATINGS

Temperature Coefficient of P <sub>max</sub>	-0.37%/°C
Temperature Coefficient of V <sub>oc</sub>	-0.29%/°C
Temperature Coefficient of I <sub>sc</sub>	+0.05%/°C
Nominal Operating Cell Temperature (NOCT)	45±2°C

Current-Voltage & Power-Voltage Curve      Temperature Dependence of I<sub>sc</sub>, V<sub>oc</sub>, P<sub>max</sub>

