

# TeraMax 54HS

## 395~410 watt

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

TeraMax 54HS mono crystalline silicon solar module, which is particularly designed for rooftops, makes installation much easier. Meanwhile, its extraordinarily high efficiency enables you to install as many as you can in a limited area.



## Key Features



### Multi-busbar Technology

Multi-busbar helps to trap more light and electricity



### Light design

Light design for rooftop particularly



### Less Hot Spot Risk

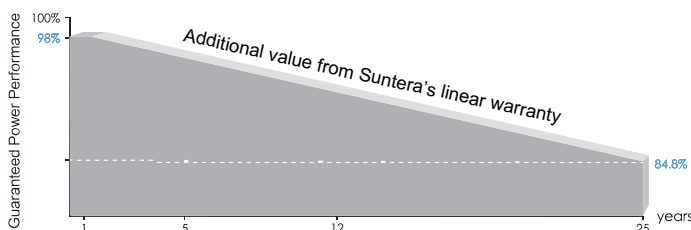
Half-cut technology reduces inner loss and hot spot risk



### Better LCOE

Excellent performance brings better LCOE

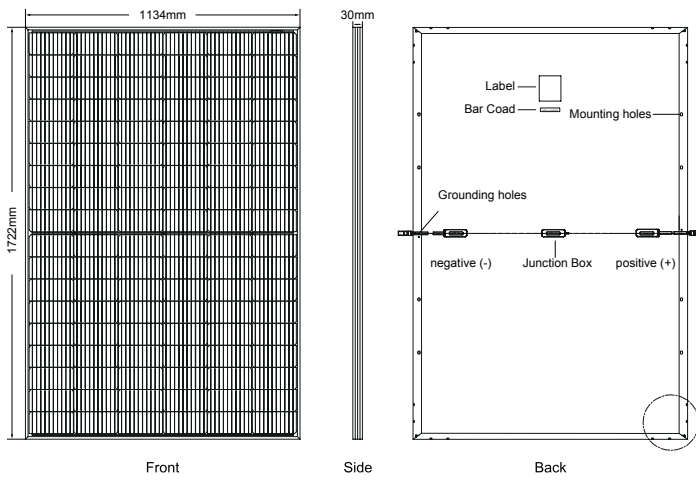
## Linear Performance Warranty



**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	108 cells
Dimensions	1722(±2)×1134(±2)×30(±1)mm
Weight	21kg±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 <sup>2</sup> , cable length: 300 mm or Customized Length

## PACKAGING CONFIGURATION

( Two pallets = One stack )

36pcs/pallets, 72pcs/stack, 936pcs/ 40'HQ Container

## SPECIFICATIONS

Module Type	ST2-M54HS-395	ST2-M54HS-400	ST2-M54HS-405	ST2-M54HS-410
Maximum Power (P <sub>max</sub> /W)	395	400	405	410
Maximum Power Voltage (V <sub>mp</sub> /V)	31.03	31.11	31.23	31.4
Maximum Power Current (I <sub>mp</sub> /A)	12.73	12.86	12.97	13.06
Open-circuit Voltage (V <sub>oc</sub> /V)	36.93	37.18	37.33	37.86
Short-circuit Current (I <sub>sc</sub> /A)	13.24	13.39	13.44	13.59
Module Efficiency STC (%)	20.2	20.5	20.7	21.0
Operating Temperature	-40°C~+85°C			
Maximum System Voltage	1500VDC			
Maximum Series Fuse Rating	25A			
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>	-0.35%/°C
Temperature Coefficient of V <sub>oc</sub>	-0.27%/°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>

