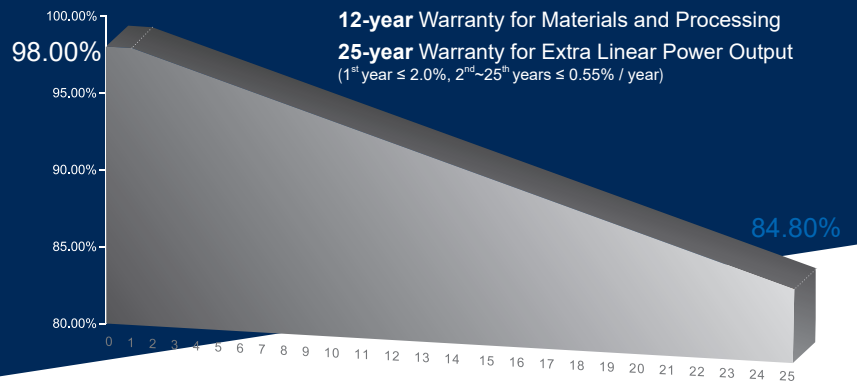




# 550W

## Monocrystalline PV Module



### KEY FEATURES

- OUTPUT POSITIVE TOLERANCE**  
 Guaranteed 0~+5W positive tolerance to ensure power output.
- NON-DESTRUCTIVE CUTTING**  
 Higher bending strength of cells and mechanical properties of modules.
- HIGH CUSTOMER VALUE**  
 Lower BOS cost and LCOE.
- INNOVATIONAL HALF-CUT&MULTI-BUSBAR TECHNOLOGY**  
 Lower risk of microcrack, better shading tolerance, higher reliability.
- SUPER PERC+ CELL TECHNOLOGY**  
 Higher module power and module efficiency, lower power degradation.
- Anti PID RESISTANCE**  
 Excellent PID resistance.

### COMPREHENSIVE CERTIFICATES



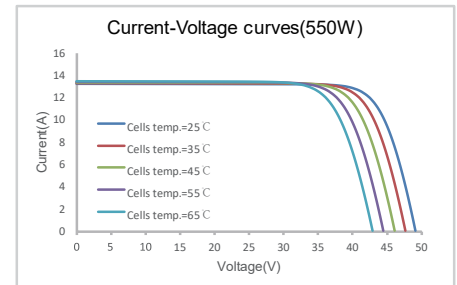
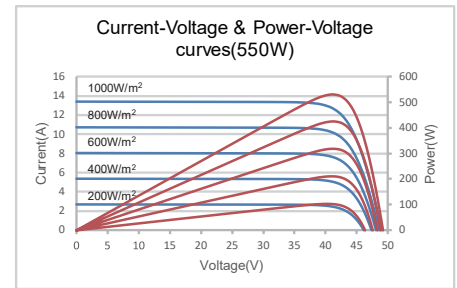
TRACK SUN SOLAR ENERGY,  
FOR OUR FUTURE LIFE!

## ELECTRICAL SPECIFICATIONS

STC rated output ( $P_{mpp}$ )	550 Wp
Rated voltage ( $V_{mpp}$ ) at STC	41.97 V
Rated current ( $I_{mpp}$ ) at STC	13.10 A
Open circuit voltage ( $V_{oc}$ ) at STC	49.98 V
Short circuit current ( $I_{sc}$ ) at STC	13.98 A
Module efficiency	21.6%
Rated output ( $P_{mpp}$ ) at NMOT	409.8 Wp
Rated voltage ( $V_{mpp}$ ) at NMOT	39.19 V
Rated current ( $I_{mpp}$ ) at NMOT	10.53 A
Open circuit voltage ( $V_{oc}$ ) at NMOT	47.78 V
Short circuit current ( $I_{sc}$ ) at NMOT	11.34 A
Temperature coefficient ( $P_{mpp}$ )	-0.35%/°C
Temperature coefficient ( $I_{sc}$ )	+0.045%/°C
Temperature coefficient ( $V_{oc}$ )	-0.27%/°C
Nominal module operating temperature (NMOT)	41±2°C
Maximum system voltage (IEC/UL)	1500V <sub>DC</sub>
Number of diodes	3
Junction box IP rating	IP 68
Maximum series fuse rating	25 A

STC: Irradiance 1000W/m<sup>2</sup>, Cell Temperature 25°C, AM=1.5  
 NMOT: Irradiance 800W/m<sup>2</sup>, Ambient Temperature 20°C, AM=1.5, Wind Speed 1m/s

## CURVE



## MECHANICAL SPECIFICATIONS

Outer dimensions (L x W x H)	2256 x 1133 x 35 mm
Frame technology	Aluminum, silver anodized
Front glass thickness	3.2 mm
Cable length (IEC/UL)	Portrait: 300 mm Landscape: 1400 mm
Cable diameter (IEC/UL)	4 mm <sup>2</sup> / 12 AWG
① Maximum mechanical test load	5400 Pa (front) / 2400 Pa (back)
Fire performance (IEC/UL)	Class C (IEC) or Type 4 (UL)
Connector type (IEC/UL)	HCB40 / MC4-EVO2

① Refer to TracksunSolar crystalline installation manual or contact technical department.  
 Maximum Mechanical Test Load=1.5×Maximum Mechanical Design Load.

## PACKING SPECIFICATIONS

① Module Weight	27.2 kg
② Packing unit	31 pcs / box
Weight of packing unit (for 40'HQ container)	882 kg
Number of modules per 40'HQ container	620 pcs

① Tolerance +/- 1.0kg  
 ② Subject to sales contract

## MODULE DIMENSION DETAILS

