

**0~+3 W**

**POSITIVE TOLERANCE**

Positive tolerance of up to 3W delivers higher output reliability.

**545W**

**POWER OUTPUT**

Monocrystalline Module

**4mm<sup>2</sup> cable 55cm**

**OUTPUT CABLES**

Including MC4 connector

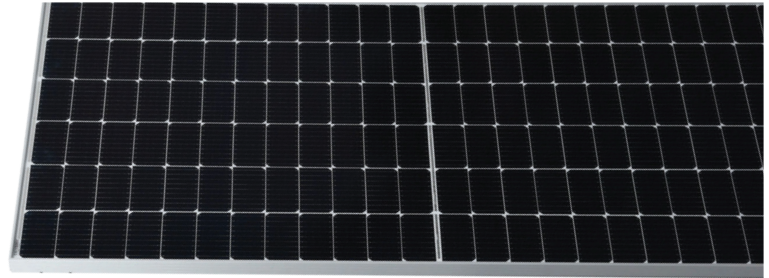
**21.08%**

**MODULE EFFICIENCY**

half-cell designs improves the module's performance and durability.



## Mono Half Solar Panel

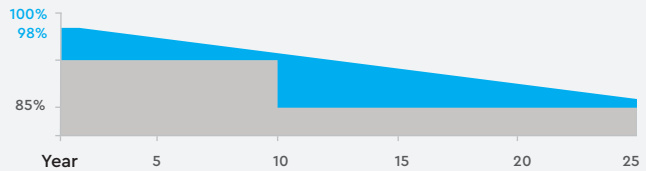


**10 YEAR**

**WARRANTY**  
PRODUCT MATERIAL AND WORKMANSHIP

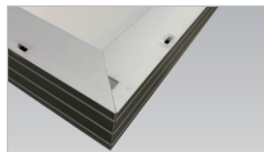
**25 YEAR**

**WARRANTY**  
LINEAR POWER OUTPUT



### JUNCTION BOX

WATERPROOF PROTECTION GRADE:IP67/IP68  
SAFETY LEVEL: CLASS II  
MAXIMUM SYSTEM VOLTAGE: 1500V  
OUTSTANDING WATERPROOF LEVEL.  
EFFECTIVELY RESIST HARSH ENVIRONMENTS



### FRAME

STRONG MACHINICAL LOAD  
RESISTANCE UP TO 5400PA  
ANODIC OXIDATION LAYER RESISTANT TO  
CHEMICAL CORROSION AVAILABLE  
IN SILVER AND BLACK



### HALF-CUT TECHNOLOGY

New Circuit Design, Lower Internal Current And Lower Internal Resistance Loss



### SIGNIFICANTLY AVOIDING HEAT SPOT

The unique circuit design to reduce the temperature Of heat spot significantly,so that to reduce the power loss And then increase the output of modules.



### LOWER COST

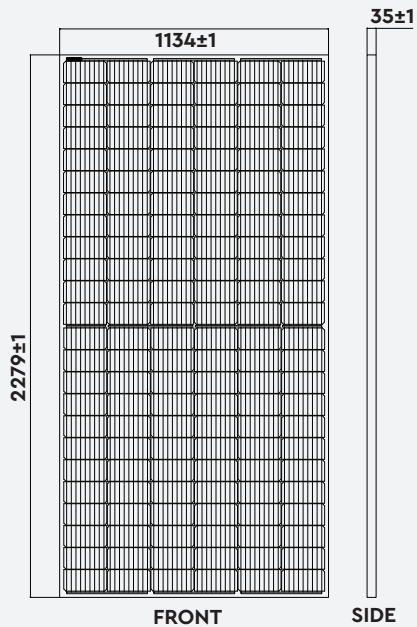
Increasing power generation can reduce the cost per kilowatt-hour



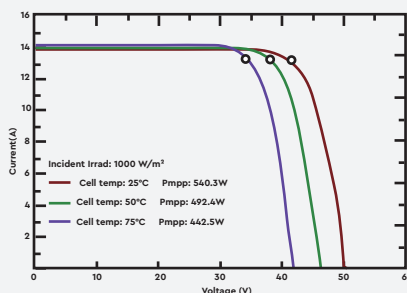
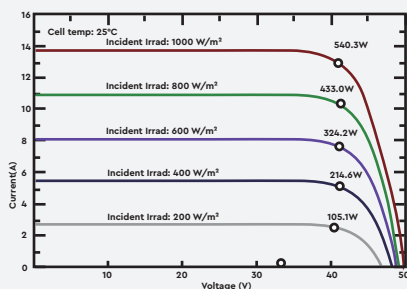
### EXCELLENT PERFORMANCE OF PID RESISTANCE

The performance of PID resistance(Potential Induced Degradation) passed the standard of TUV Nord.

## DRAWING AND DIMENSION CURVE



## IV CURVE



## LISTING DETAILS

Model No: VT-545W  
 SKU Code: 11354  
 EAN Code: 3800157682220

## MASTER BOX PACKAGING

Qty Per Pallet: 31pcs/pallet

## ELECTRICAL DATA (STC)

Peak Power(Pmax)	545.00
Maximum Power Voltage(Vmp)	41.93
Maximum Power Current(Imp)	13.00
Open Circuit Voltage(Voc)	49.90±3%
Short Circuit Current(Isc)	13.92±3%
Module Efficiency( % )	21.08

## ELECTRICAL DATA (NOCT)

Peak Power(Pmax)	405.1
Maximum Power Voltage(Vmp)	38.93
Maximum Power Current(Imp)	10.41
Open Circuit Voltage(Voc)	46.73±3%
Short Circuit Current(Isc)	11.13±3%

## TEMPERATURE & MAXIMUM RATING

Maximum System Voltage V)	1500 V
Maximum Series Fuse Rating A)	25 A
Power Tolerance	0~+3 W
Pmax Temperature Coefficient (W/°C)	-0.350 %/°C
Voc Temperature Coefficient (V/°C)	-0.285 %/°C
Isc Temperature Coefficient (A/°C)	+0.045 %/°C
NOCT Nominal Operating Cell Temperature (°C)	45±2°C
Operating and Storage Temperature (°C)	-40~+85°C

## MECHANICAL CHARACTERISTICS

Cell Type	182*91 Mono
No. of Cells	144 (12*12)
Dimensions	2279*1134*35mm
Weight	28.40kg
Front Glass	3.2mm high transmission, low iron, tempered glass
Frame	Anodized Aluminium Alloy
Junction box	IP67/IP68 3diodes
Output cables	4mm² cable 55cm (Including MC4 connector)
MaxWind Load/Snow Load	2400Pa/5400Pa