



SOLAR ENERGY

**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**

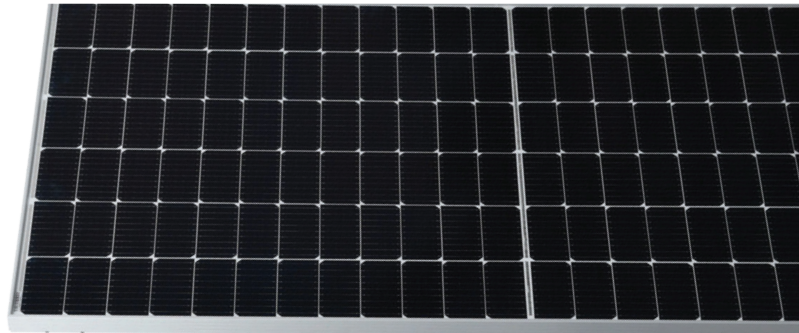
Including MC4 connector

**21.08%**

**MODULE EFFICIENCY**

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

## Mono Half Solar Panel



**10 YEAR  
WARRANTY**

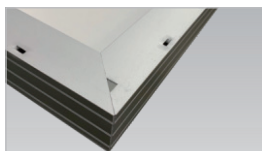


**A RELIABLE  
INVESTMENT**



### JUNCTION BOX

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



### FRAME

STRONG MECHANICAL 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.

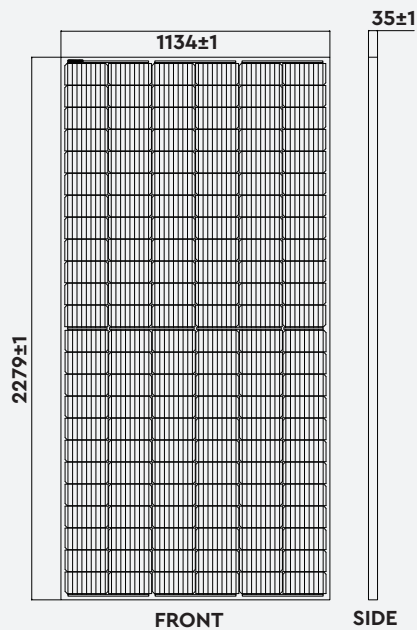


SOLD IN OVER  
**70** COUNTRIES

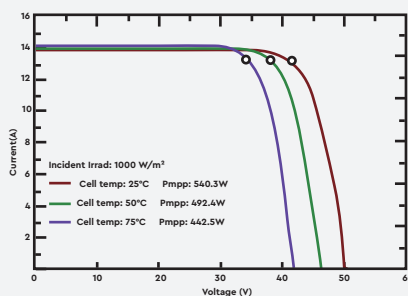
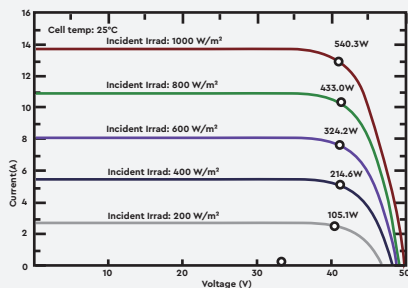
[www.vtacexports.com](http://www.vtacexports.com)

ONE BRAND, ENDLESS SOLUTIONS.

## DRAWING AND DIMENSIONS



## IV CURVE



## LISTING DETAILS

Module 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 35cm (Including MC4 connector)         |
| MaxWind Load/Snow Load | 2400Pa/5400Pa                                     |