

# V-TAC

Meaningful Innovation.

## 545W

## Mono Half Solar Panel



### 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.



V-TAC.EU



VTACEXPORTS.COM



### LISTING DETAILS

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

### MASTER BOX PACKAGING

Qty Per Pallet: **31pcs/pallet**  
 Net Weight : **28.40kg**  
 Product Size : **2279\*1134\*35mm**

### ELECTRICAL DATA (STC)

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

### ELECTRICAL DATA (NOCT)

|                            |                 |
|----------------------------|-----------------|
| Peak Power(Pmax)           | <b>405.1</b>    |
| Maximum Power Voltage(Vmp) | <b>38.93</b>    |
| Maximum Power Current(Imp) | <b>10.41</b>    |
| Open Circuit Voltage(Voc)  | <b>46.73±3%</b> |
| Short Circuit Current(Isc) | <b>11.13±3%</b> |

### MECHANICAL CHARACTERISTICS

|                        |   |
|------------------------|---|
| Cell Type              | <b>182*91 Mono</b>  |
| No. of Cells           | <b>144 (12*12)</b>  |
| Front Glass            | <b>3.2mm high transmission, low iron, tempered glass</b>    |
| Frame                  | <b>Anodized Aluminium Alloy</b>                             |
| Junction box           | <b>IP67/IP68 3diodes</b>                                    |
| Output cables          | <b>4mm<sup>2</sup> cable 55cm (Including MC4 connector)</b> |
| MaxWind Load/Snow Load | <b>2400Pa/5400Pa</b>  |

### TEMPERATURE & MAXIMUM RATING

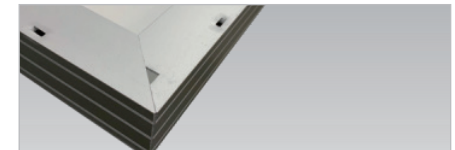
|  |                    |
|--|--------------------|
| Maximum System Voltage (V)                   | <b>1500 V</b>      |
| Maximum Series Fuse Rating (A)               | <b>25 A</b>        |
| Power Tolerance                              | <b>0~+3 W</b>      |
| Pmax Temperature Coefficient (W/°C) 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



### JUNCTION BOX

Waterproof protection grade:IP67/IP68  
 Safety Level: Class II  
 Maximum System Voltage: 1500V

Outstanding waterproof level. Effectively resist harsh environments

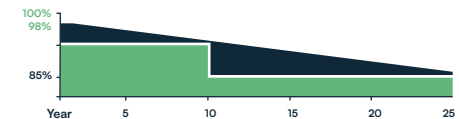


### FRAME

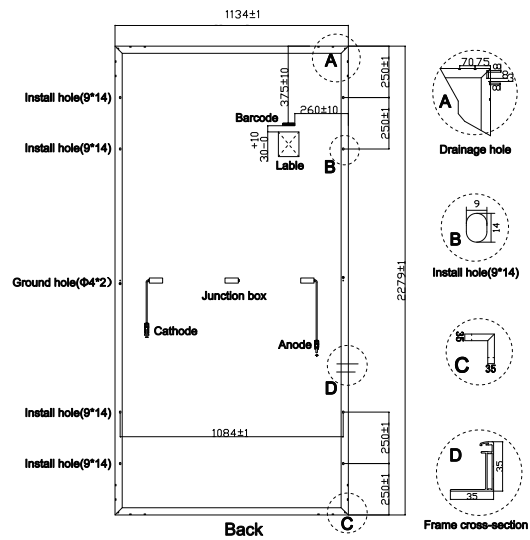
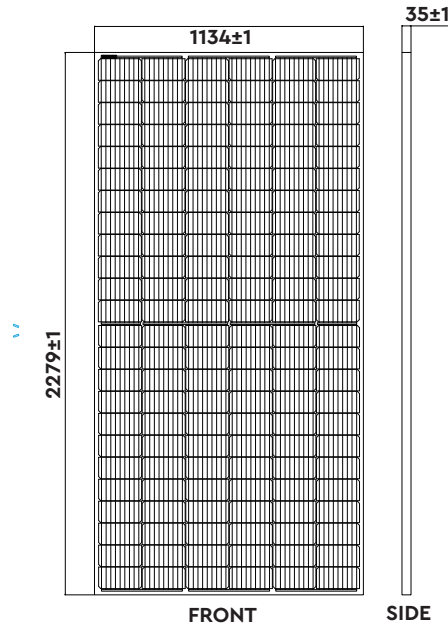
Strong machinical load resistance up to 5400Pa  
 Anodic oxidation layer resistant to chemical corrosion  
 available in silver and black

**12** YEAR  
 WARRANTY  
 PRODUCT MATERIAL

**25** YEAR  
 WARRANTY  
 LINEAR POWER OUTPUT



### DRAWING AND DIMENSION



### IV CURVE

