

# V-TAC

Meaningful Innovation.

## 450W

## 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.



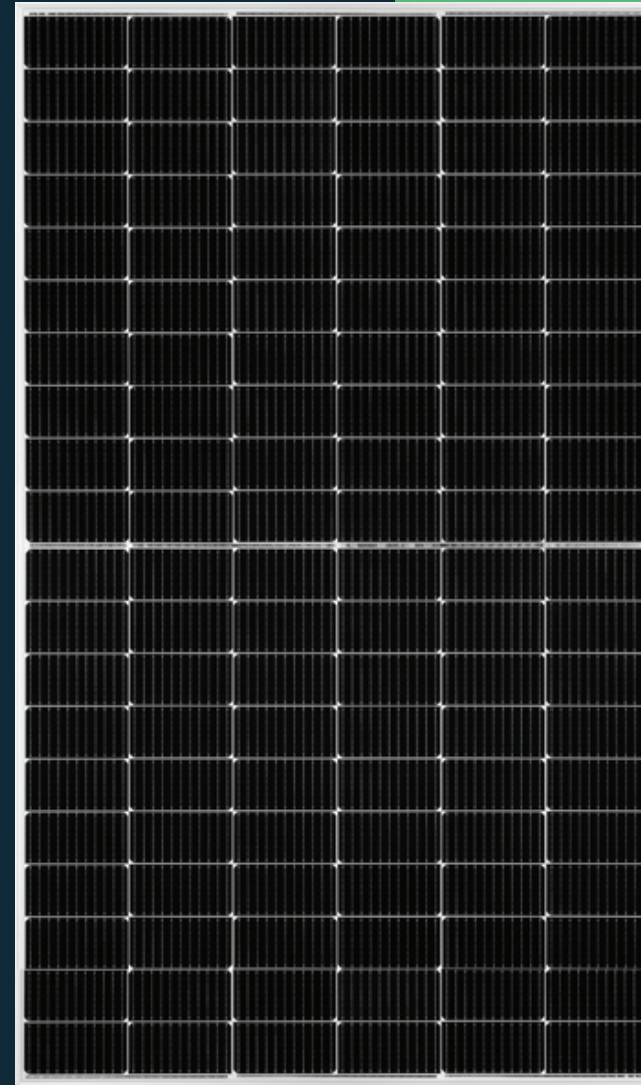
### LOWER COST

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.



CERTIFICATION NUMBER  
MCS BBA 6061



V-TAC.EU



VTACEXPORTS.COM



### LISTING DETAILS

Model No: **AU450-30V-MH**  
 SKU Code: **11911**  
 EAN Code: **3800170219977**

### PACKAGING WAY

20FT container **6 Packages/186pcs**  
 40HQ container **24 Packages/744pcs**

### ELECTRICAL DATA (STC)

Peak Power(Pmax)	450.00
Maximum Power Voltage(Vmp)	34.79
Maximum Power Current(Imp)	12.94
Open Circuit Voltage(Voc)	41.40±3%
Short Circuit Current(Isc)	13.74±3%
Module Efficiency( % )	20.85

### ELECTRICAL DATA (NOCT)

Peak Power(Pmax)	334.50
Maximum Power Voltage(Vmp)	32.29
Maximum Power Current(Imp)	10.36
Open Circuit Voltage(Voc)	38.77±3%
Short Circuit Current(Isc)	11.07±3%

### MECHANICAL CHARACTERISTICS

Cell Type	182*91 Mono
No. of Cells	120 (12*10)
Dimensions	1903*1134*35mm
Weight	23.80kg
Front Glass	3.2mm high transmission, low iron, tempered glass
Frame	Anodized Aluminium Alloy
Junction box	IP67/IP68 3diodes
Output cables	4mm <sup>2</sup> cable 35cm (Including MC4 connector)
MaxWind Load/Snow Load	2400Pa/5400Pa

### 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



### JUNCTION BOX

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

Outstanding waterproof performance in most harsh environments

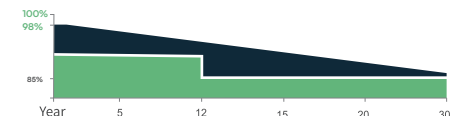


### FRAME

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

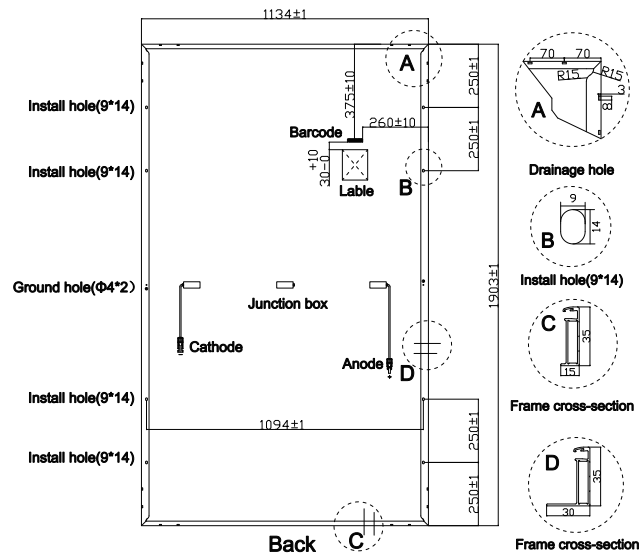
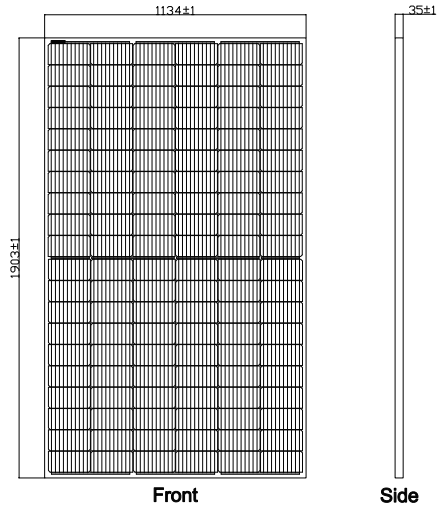
**12** YEAR WARRANTY  
 PRODUCT MATERIAL

**30** YEAR WARRANTY  
 LINEAR POWER OUTPUT



## DRAWING AND DIMENSION

Unit:mm



## IV CURVE

