

# V-TAC

Meaningful Innovation.

## 410W

## 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 PV0361



V-TAC.EU



VTACEXPORTS.COM



### LISTING DETAILS

Model No: **VT-410B**  
 SKU Code: **11519**  
 EAN Code: **3800157693516**

### MASTER BOX PACKAGING

Qty Per Pallet: **20ft Container: 6 Packages/186pcs | 40ft Container: 26 Packages/806pcs**  
 Net Weight : **21.50kg**  
 Product Size : **1722\*1134\*35mm**

### ELECTRICAL DATA (STC)

Peak Power(Pmax)	410.00
Maximum Power Voltage(Vmp)	31.46
Maximum Power Current(Imp)	13.04
Open Circuit Voltage(Voc)	37.45±3%
Short Circuit Current(Isc)	13.85±3%
Module Efficiency( % )	20.97

### ELECTRICAL DATA (NOCT)

Peak Power(Pmax)	304.8
Maximum Power Voltage(Vmp)	29.20
Maximum Power Current(Imp)	10.44
Open Circuit Voltage(Voc)	35.05±3%
Short Circuit Current(Isc)	11.16±3%

### MECHANICAL CHARACTERISTICS

Cell Type	182*91 Mono
No. of Cells	108 (12*9)
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 100cm (Including MC4 connector)
MaxWind Load/Snow Load	2400Pa/5400Pa

### TEMPERATURE & MAXIMUM RATING

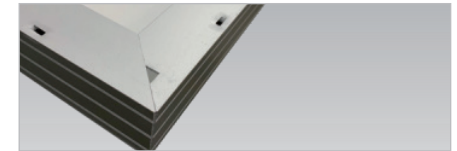
Maximum System Voltage (V)	1500 V
Maximum Series Fuse Rating (A)	25A
Power Tolerance	0~+3 W
Pmax Temperature Coefficient (W/°C)	-0.350 %/°C
Voc Temperature Coefficient (V/°C)	-0.285 %/°C
Isc Temperature Coefficient (A/°C)	+0.045 %/°C
NOCT Nominal Operating Cell Temperature (°C)	45±2°C
Operating and Storage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



### JUNCTION BOX

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

Outstanding waterproof level. Effectively resist harsh environments

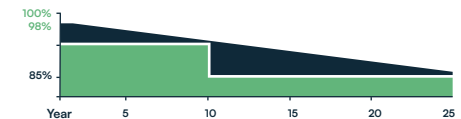


### FRAME

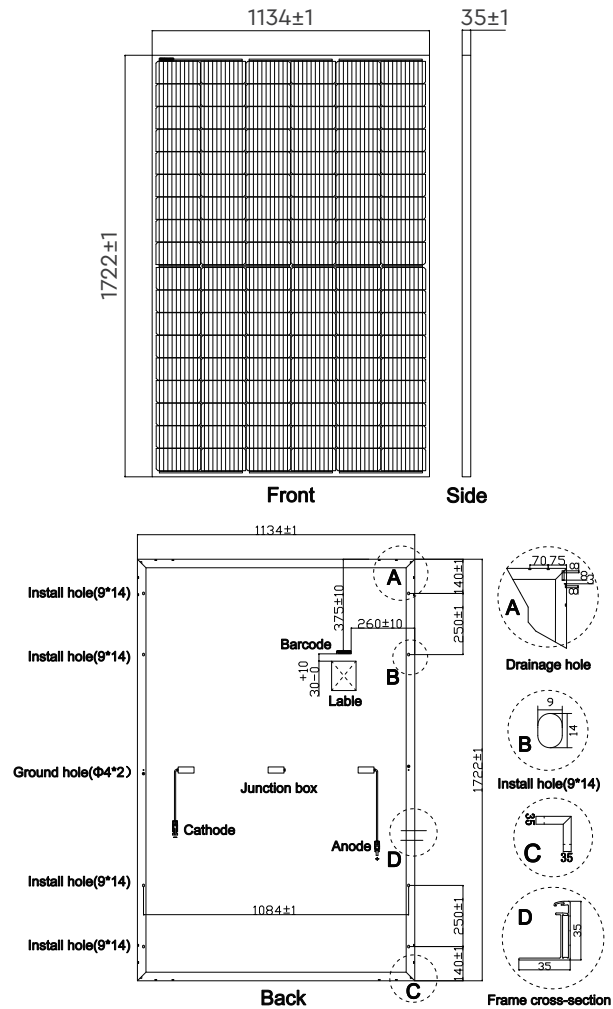
Strong machinical load resistance up to 5400Pa  
 Anodic oxidation layer resistant to chemical corrosion  
 available in silver and black

**12** YEAR  
 WARRANTY  
 PRODUCT MATERIAL

**25** YEAR  
 WARRANTY  
 LINEAR POWER OUTPUT



## DRAWING AND DIMENSION



## IV CURVE

