

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: **VT-AU450-36V-MH**

SKU Code: **11882**

EAN Code: **3800170218116**

PACKAGING WAY

20FT container **5 Packages/155pcs**

40HQ container **22 Packages/726pcs**

ELECTRICAL DATA (STC)

Peak Power(Pmax)	450.00
Maximum Power Voltage(Vmp)	41.50
Maximum Power Current(Imp)	10.85
Open Circuit Voltage(Voc)	49.30±3%
Short Circuit Current(Isc)	11.60±3%
Module Efficiency(%)	20.70

ELECTRICAL DATA (NOCT)

Peak Power(Pmax)	336.10
Maximum Power Voltage(Vmp)	38.60
Maximum Power Current(Imp)	8.70
Open Circuit Voltage(Voc)	46.20±3%
Short Circuit Current(Isc)	9.38±3%

MECHANICAL CHARACTERISTICS

Cell Type	166*83 Mono
No. of Cells	144 (12*12)
Dimensions	2094*1038*35mm
Weight	23.50kg
Front Glass	3.2mm high transmission, low iron, tempered glass
Frame	Anodized Aluminium Alloy
Junction box	IP67/IP68 3diodes
Output cables	4mm ² cable 35cm (Including MC4 connector)
MaxWind Load/Snow Load	2400Pa/5400Pa

TEMPERATURE & MAXIMUM RATING

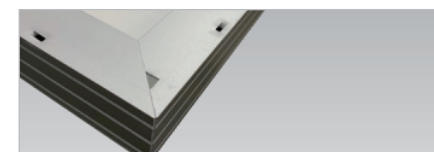
Maximum System Voltage (V)	1500 V
Maximum Series Fuse Rating (A)	20 A
Power Tolerance	0~+3 W
Pmax Temperature Coefficient (W/°C)	-0.350 %/°C
Voc Temperature Coefficient (V/°C)	-0.270 %/°C
Isc Temperature Coefficient (A/°C)	+0.048 %/°C
NOCT Nominal Operating Cell Temperature (°C)	45±2 °C
Operating and 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

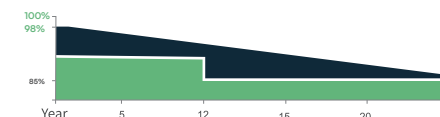


FRAME

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

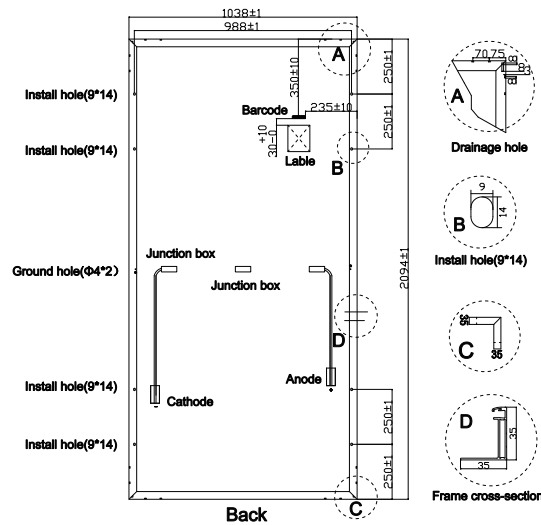
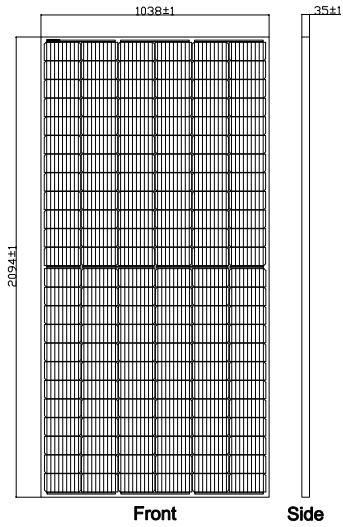
12 YEAR
WARRANTY
PRODUCT MATERIAL

30 YEAR
WARRANTY
LINEAR POWER OUTPUT



DRAWING AND DIMENSION

Unit:mm



IV CURVE

