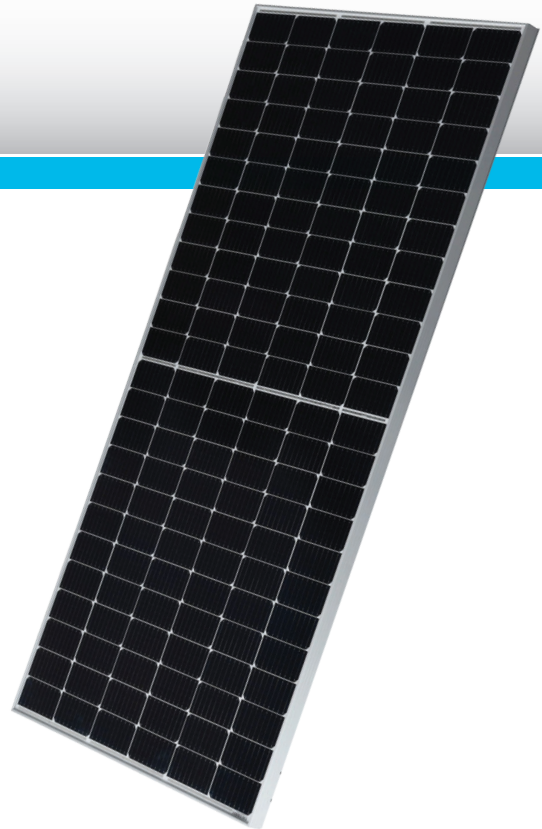




# Mono Solar Panel

VT-450 – 450W Solar Panel SKU: 11353



### Positive tolerance

Positive tolerance of up to 5W delivers higher output reliability.



### High Efficiency

Higher module conversion efficiency benefit from half cell structure (low resistance characteristic).



### PID Resistance

Excellent Anti-PID performance guarantee limited power degradation for mass production.



### Low-light Performance

Advanced glass and cell surface textured design ensure excellent performance in low-light environment.



### Severe Weather Resilience

Certified to withstand: wind load (2400 Pascal) and snow load (5400 Pascal).



### Durability Against Extreme Environmental Conditions

High salt mist and ammonia resistance certified by TUV NORD.

## SPECIFICATIONS

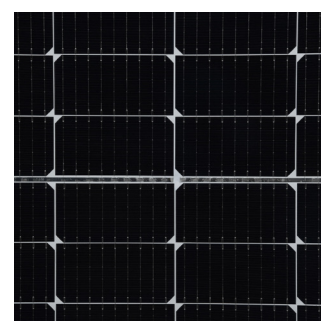
Maximum Power (Pmax)	450.00
Maximum Power Voltage (Vmp)	41.50
Maximum Power Current (Imp)	10.85
Open-circuit Voltage (Voc)	49.30±3%
Short-circuit Current (Isc)	11.60±3%
Module Efficiency STC (%)	20.70
Maximum System Voltage (V)	1500 V
Maximum Series Fuse Rating (A)	20 A
Power Tolerance	0~+3 W
Pmax Temperature Coefficient (s W/°C)	-0.350 %/°C
Voc Temperature Coefficient (s V/°C)	-0.270 %/°C
Isc Temperature Coefficient (s A/°C)	+0.048 %/°C
NOCT Nominal Operating Cell Temperature (°C)	45±2 °C
Operating and Storage Temperature (°C)	-40~+85 °C

## LISTING DETAILS

SKU Code: 11353  
EAN Code: 3800157682213

## MASTER BOX PACKAGING

Qty Per Pallet: 31pcs/pallet

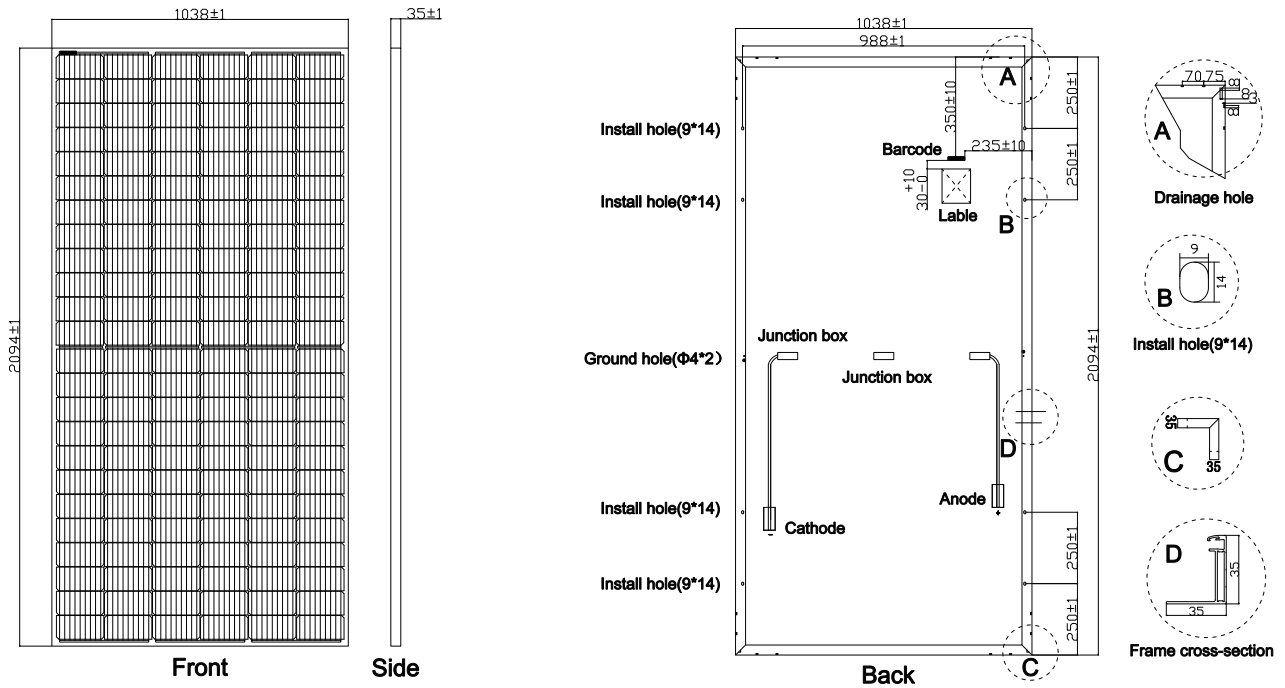


**10** YEAR  
WARRANTY

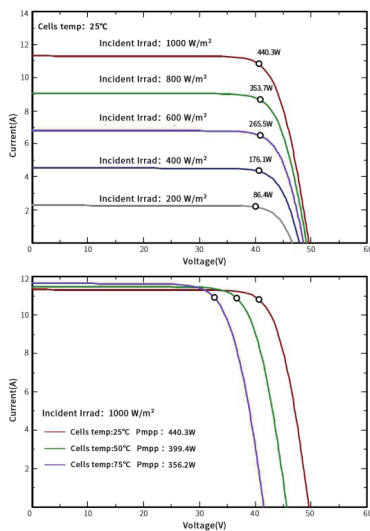
# V-TAC<sup>®</sup> Mono Solar Panel

VT-450 – 450W Solar Panel SKU: 11353

## DRAWING AND DIMENSIONS



## IV CURVE



STC: Irradiance  $1000 \text{ W/m}^2$ , Cell Temperature  $25^\circ\text{C}$ , AM=1.5

NOCT: Irradiance  $800 \text{ W/m}^2$ , Ambient Temperature  $20^\circ\text{C}$ , AM=1.5, Wind Speed  $1 \text{ m/s}$

\* Power measurement tolerance:  $\pm 3\%$

## 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 <sup>2</sup> cable 35cm (Including MC4 connector)
MaxWind Load/Snow Load	2400Pa/5400Pa