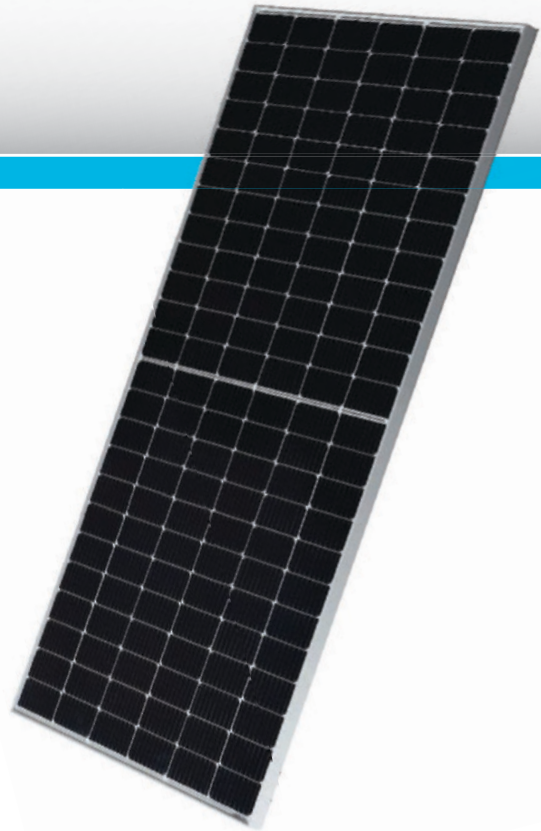




Mono Solar Panel

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

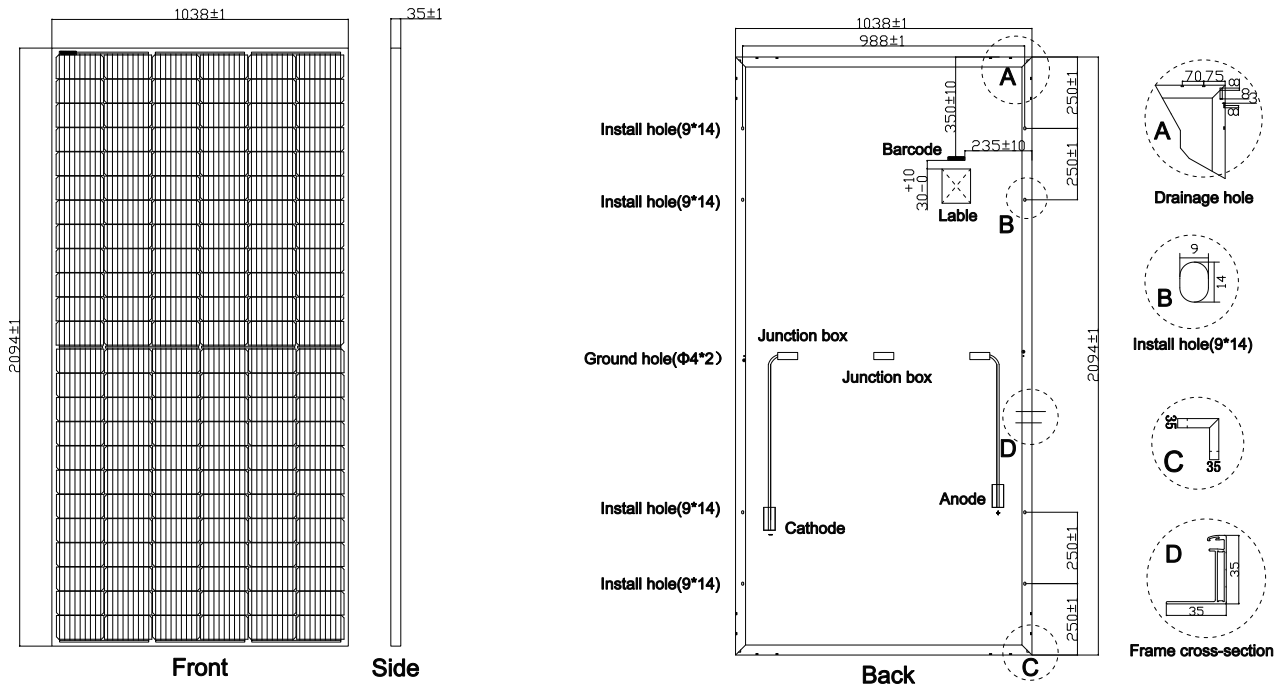


10 YEAR WARRANTY

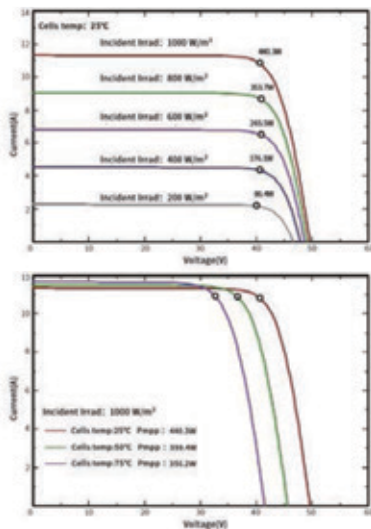
V-TAC[®] Mono Solar Panel

VT-450 – 450W Solar Panel SKU: 11353

DRAWING AND DIMENSIONS



IV CURVE



STC: Irradiance 1000W/m², Cell Temperature 25°C, AM=1.5

NOCT: Irradiance 800W/m², Ambient Temperature 20°C, AM=1.5, Wind Speed 1m/s

* Power measurement tolerance: ± 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 3 diodes
Output cables	4mm ² cable 35cm (Including MC4 connector)
MaxWind Load/Snow Load	2400Pa/5400Pa