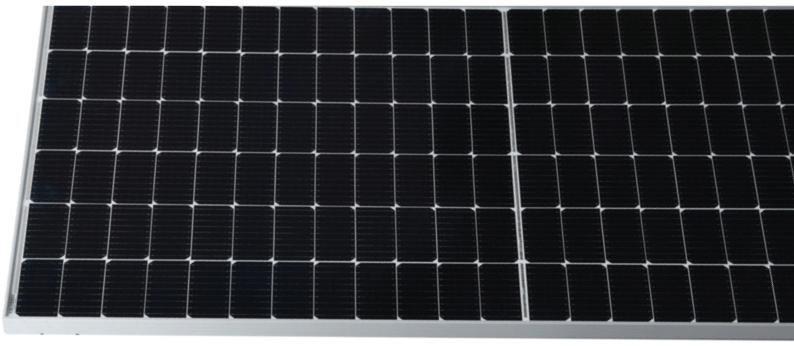
V-TAC®

SOLAR ENERGY

Mono Half Solar Panel



0~+3 W
POSITIVE TOLERANCE
Positive tolerance of up to 5W delivers higher output reliability.

450W
POWER OUTPUT
Monocrystalline Module

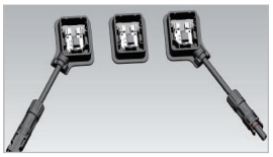
4mm² cable 55cm
OUTPUT CABLES
Inlcuding MC4 connector

20.70%
MODULE EFFICIENCY
half-cell designs improves the module's performance and durability.



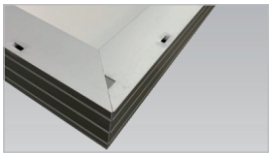
10 YEAR WARRANTY

A RELIABLE INVESTMENT



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

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.

TÜV NORD CE ISO

SOLD IN OVER 70 COUNTRIES

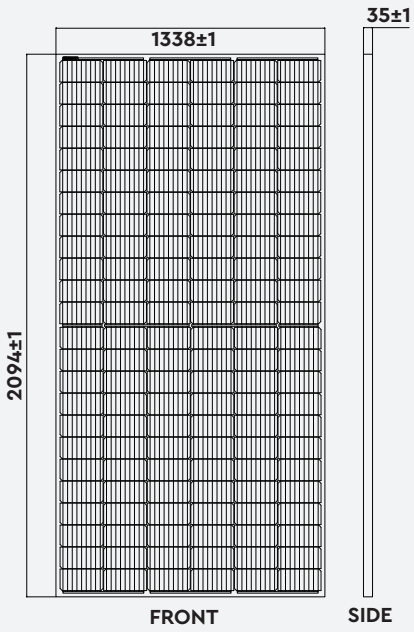
www.vtacexports.com

ONE BRAND, ENDLESS SOLUTIONS.

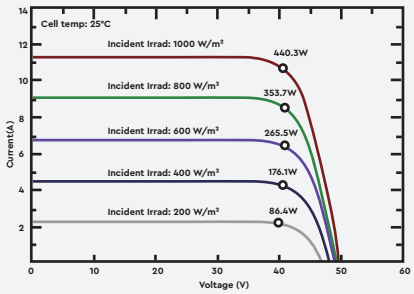
V-TAC®

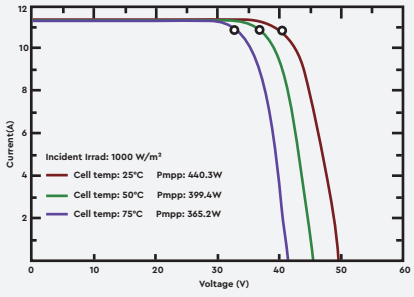
SOLAR ENERGY

DRAWING AND DIMENSIONSRVE



IV CURVE





LISTING DETAILS

Modle No:	VT-450W
SKU Code:	11353
EAN Code:	3800157682213

MASTER BOX PACKAGING

Qty Per Pallet: 31pcs/pallet

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%

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/℃)	-0.350 %/℃
Voc Temperature Coefficient (V/℃)	-0.270 %/℃
Isc Temperature Coefficient (A/℃)	+0.048 %/℃
NOCT Nominal Operating Cell Remperature (℃)	45±2℃
Operating and Storage Temperature ℃)	-40~+85℃

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	4mm² cable 35cm (Inlcuding MC4 connector)
MaxWind Load/Snow Load	2400Pa/5400Pa