

V400W-VTC

182mm 108 Cells All Black PV Module



CERTIFIED



MBB PERC
Half Cut Cell



Excellent Low-Light
Performance



100% Inspection
Guarantee Reliability



Anti PID



5400Pa
Strengthened
Mechanical Load



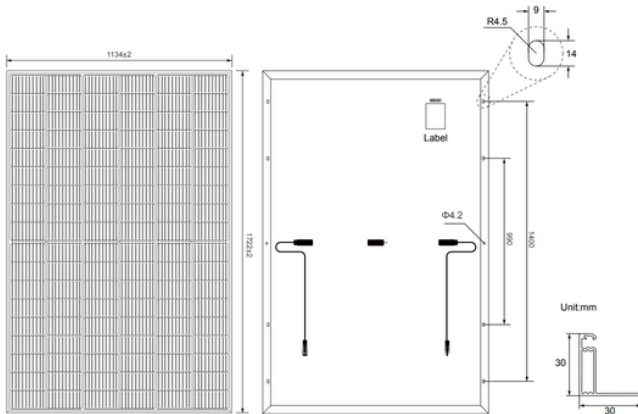
High Density
Packaging



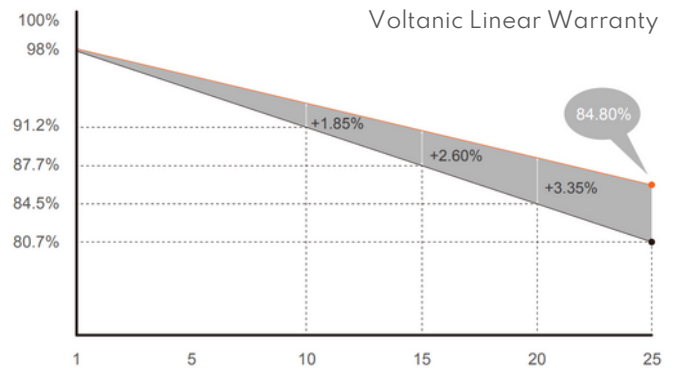
CE



VOLTANIC



All Dimensions are in mm.
The above drawing is a graphical representation of the product.



12 Years
Material & Craft
Quality Assurance

12 Years
90% Output Power
guarantee

30 Years
80% Output Power
guarantee

STC : Irradiance 1000W/m , Cell Temperature 25°C, Air Mass 1.5
NOCT : Irradiance 800W/m , Ambient Temperature 20°C, Air Mass 1.5, Wind Speed 1m/s

Electrical Characteristics

Module Type	V400W-VTC	
	STC	NOCT
Maximum Power- Pmax(W)	400	302
Open Circuit Voltage - Voc(V)	37.07	34.88
Short- Circuit Current - Isc(A)	13.79	11.03
Voltage at Pmax -Vmp(V)	31.01	29.26
Current at Pmax - Imp(A)	12.90	10.32
Module Efficiency -ηm(%)	20.5	/
Power Tolerance(W)	(0, +4.99W)	
Maximum System Voltage(V)	1500Vdc (IEC / UL)	
Maximum Series Fuse Rating (A)	25A	

Packing Configuration

	1722x1134x30mm	
Container	20'GP	40'HQ
Pieces per Pallet	36	36
Pallets per Container	6	26
Pieces per Container	216	936

Mechanical Specifications

External Dimensions	1722x1134x30mm
Weight	20.5kg
Solar Cells	Mono crystalline 182mm (2x54pcs)
Front Glass	AR Coated 3.2 mm tempered glass
Frame	Anodized aluminum alloy
Junction Box	IP68
Output Cables	4.0mm ² , 50cm (+), 50cm (-), length can be customized
Connector	MC4 EVO2
Mechanical Load	Front Side Max. 5400Pa, Rear Side Max. 2400Pa

Temperature Characteristics

Pmax Temperature Coefficient	-0.350%/C
Voc Temperature Coefficient	-0.275%/C
Isc Temperature Coefficient	+0.045%/C
Operating Temperature	-40 ~ +85 C
Nominal Operating Cell Temperature(NOCT)	45±2 C

Current-Voltage & Power-Voltage Curves

