

# V160W-VTC

182mm 68Cells All Black PV Module



MBB PERC  
Half Cut Cell



Excellent Low-Light  
Performance



100% Inspection  
Guarantee Reliability



Anti PID



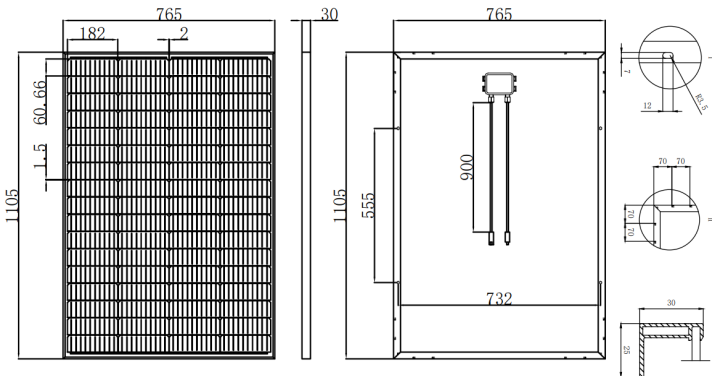
Strengthened  
Mechanical Load



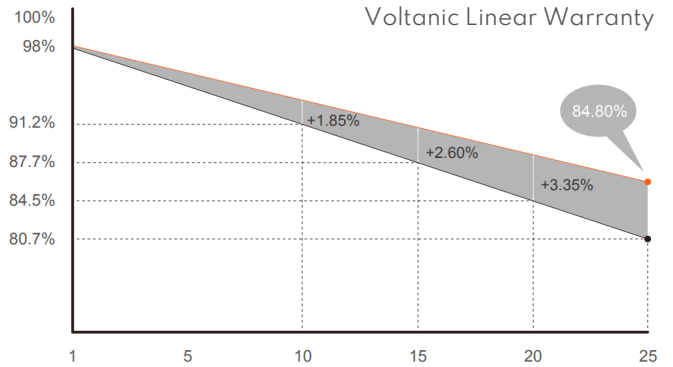
High Density  
Packaging



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

## Electrical Characteristics

Module Type	V160W-VTC
	STC
Maximum Power- Pmax(W)	160
Open Circuit Voltage - Voc(V)	23.18
Short- Circuit Current - Isc(A)	8.43
Voltage at Pmax -Vmp(V)	19.99
Current at Pmax - Imp(A)	8.00
Module Efficiency -ηm(%)	18.93
Power Tolerance(W)	0, +4.99W
Maximum System Voltage(V)	700Vdc (IEC / UL)
Maximum Series Fuse Rating (A)	10A

STC : Irradiance 1000W/m , Cell Temperature 25°C, Air Mass 1.5

## Mechanical Specifications

External Dimensions	1105*765*30mm
Weight	9.11kg
Solar Cells	Mono crystalline 182X60.66mm (4X17pcs)
Front Glass	3.2 mm tempered glass
Frame	Aluminum
Junction Box	IP67
Output Cables	90cm, length can be customized
Connector	MC4 Compatible
Mechanical Load	Front Side Max. 5400Pa, Rear Side Max. 2400Pa

## Packing Configuration

Module Type	V160W-VTC
Module Dimensions	1105*765*30mm
Pallet Dimensions	1155*1130*885mm
Pallet Weight	325kg
Pieces/Pallet	36pcs

## Temperature Characteristics

Pmax Temperature Coefficient	-0.350%/C
Voc Temperature Coefficient	-0.270%/C
Isc Temperature Coefficient	+0.048%/C
Operating Temperature	-40~+85 C
Nominal Operating Cell Temperature(NOCT)	45±2 C

