

Photovoltaic Module

VSMH132-485-500-M10

KEY FEATURES



High module efficiency through superior manufacturing technology



No power loss thanks to improved temperature co-efficient caused by 10 busbar solar cell



Strictly control the micro-crack of solar cells and the other non visible defect of internal modules



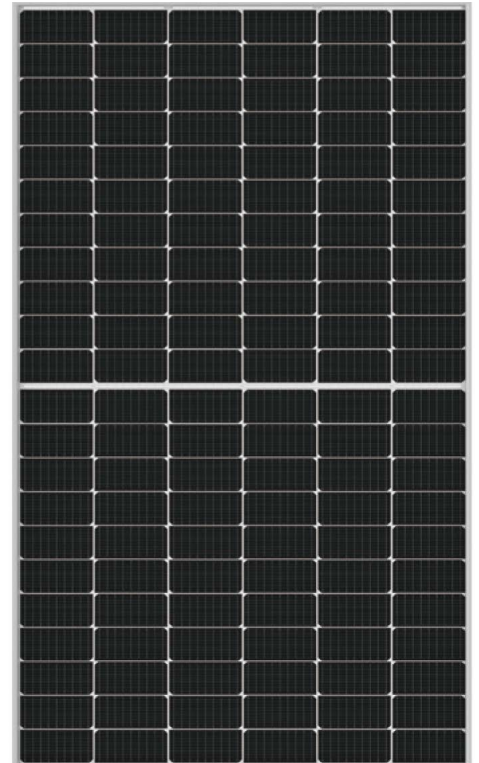
Module can bear snow loads up to 5400Pa and wind loads up to 2400Pa



Manufactured according to and certified international I Quality and Environment Management System



Using advanced low reflection and high light transmission glass and cell sheet surface cutting technology, in the weak light environment can also play a good performance.



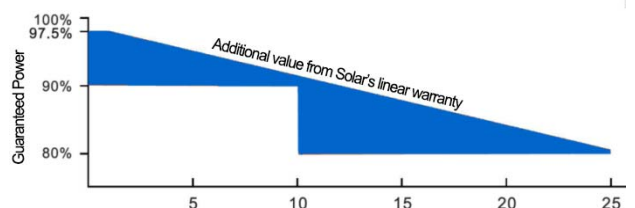
Certificates

- IEC61215, IEC61730, CQC, CE, TUV
- ISO9001:2008
- ISO14001:2004
- BSOHSAS18001:2007



Warranties

- 10 years product warranty
- 25 years power warranty



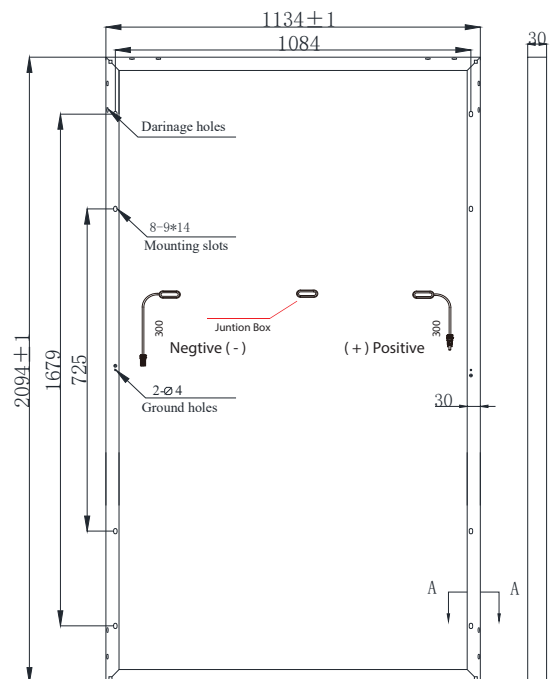
Electrical Characteristics

Model	VSMH132-485-M10	VSMH132-490-M10	VSMH132-495-M10	VSMH132-500-M10
Maximum Power at STC(Pmax)	485W	490W	495W	500W
Optimum Operating Voltage (Vmp)	35.70 V	35.90 V	36.10 V	36.30 V
Optimum Operating Current (Imp)	13.56 A	13.65A	13.71 A	13.80 A
Open-Circuit Voltage (Voc)	41.70 V	42.20 V	42.70 V	43.20 V
Short-Circuit Current (Isc)	14.10 A	14.30 A	14.50 A	14.70 A
Solar Module Efficiency (%)	20.42	20.63	20.84	21.05
Operating Temperature	-40 to 85°C			
Maximum System Voltage	DC1000V			
Maximum Series Fuse Rating	30A			
Power Tolerance	0~+3%			
STC:Irradiance 1000W/m ² ,Modules Temperature 25°C,AM=1.5				

Temperature Coefficient and Mechanical Characteristics

Nominal Operating Cell Temperature (NOCT)	47°C+/-2°C
Temperature Coefficient of Pmax	-0.47%/°C
Temperature Coefficient of VOC	-0.346%/°C
Temperature Coefficient of ISC	+0.036%/°C
Solar cell	Mono 182*91mm
No.of cells	132 (6*22)
Dimensions	2094mm*1134mm*30mm
Weight	28.5kg
Front glass	3.2mm tempered glass
Frame	Anodized aluminium
Junction box	IP68
Connector	Plug and socket
Output cables	PV 4.0mm ² ,0.3m
1*40'HQ	792 pcs

DIMENSIONS AND STRUCTURE



IV-Curves

Current-Voltage&Power-Voltage Curver

