

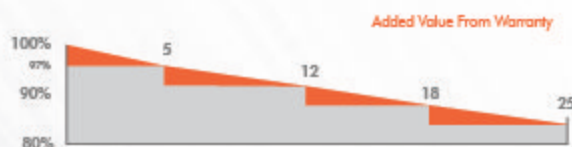
JSGFM-144-435W JSGFM-144-450W

VERTEC SERIES/TIGER SERIES

MULTI BUSBAR - HALF CUT MONO PERC

KEY SALIENT FEATURES

- > High output power
- > Better power generation under shadows
- > Strong anti-hot spot ability
- > Strong mechanical load capacity
- > Super strong frame
- > 1500V system voltage



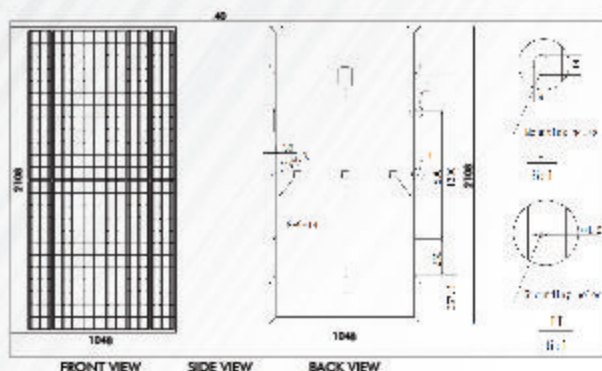
Certification



TIGER | **Vertec**
S E R I E S | series

*Terms & Condition Applies

MECHANICAL DRAWINGS



MECHANICAL SPECIFICATION

Cell Type	Mono Crystalline 158.75x79.375mm
Number Of Cells	144 (6x24)
Dimensions(AxBxC)	2108x1048x40mm
Weights	25.5kg
Glass	3.2mm Tempered Low Iron Glass
Aluminium Frame	Anodized Aluminium
Junction Box	Split Junction Box (IP65 ,three diode)
Connector	Mc4 Compatible
Output Cables	4.0mm ² , +300mm, -300mm Customized Length

ELECTRICAL CHARACTERISTICS

Module Type	435W	450W
Maximum Power At STC (Pmax)	435W	450W
Short Circuit Current (Isc)	10.32A	11.64A
Open Circuit Voltage (Voc)	49.81V	49.7V
Open Circuit Voltage (OCV)	51.4W	57.8W
Maximum Power Current (Impp)	9.77A	10.15A
Maximum Power Voltage (Vmpp)	41.46V	40.4V
Module Efficiency	20.18%	20.98%
Power Tolerance	0~+5W	0~+5W
Maximum System Voltage	VDC 1500V	
Maximum Series Fuse	20A	
Increased Snowload Acc.to Iec 61215	5400Pa	
Operating Temperature	-40~+85°C	
Number Of Bypass Diodes	3	
Narminal Operating Cell Temperature(Noct)	45°C~60°C	
Temperature Coefficient Of Pmax	-0.36%/°C	
Temperature Coefficient Of Voc	-0.20%/°C	
Temperature Coefficient Of Isc	0.05%/°C	

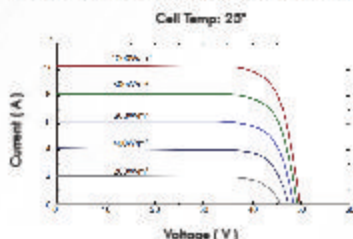
STC: 1000W/m² irradiance, 25°C cell temperature, AM1.5. NOCT: Irradiance of 800W/m², Ambient Temperature 20°C, wind speed 1m/s.

Note: Product specifications are subject to change without further notice.

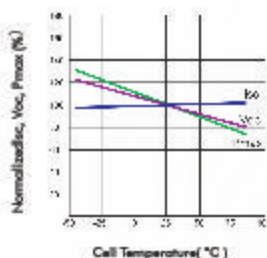
JSGFM - 144 - 435W/450W

I-V CURVES

I-V Curves of JSGFM 144-435W/450W at different irradiances



Power voltage current curve at different temperature



PACKING CONFIGURATION

Container	40' HQ
Pieces Per Container	680

