

**144**  
CELLS

**21.3%**  
Maximum Module  
Efficiency

**540**  
**WATT**  
MONOCRYSTALLINE  
PERC HALF CUT CELL

**12**  
**YEARS**  
PRODUCT  
WARRANTY

**25**  
**YEARS**  
WARRANTY ON  
POWER OUTPUT



**MUSTANG**  
530 TO 550 WATT MONOCRYSTALLINE  
PERC HALF CUT CELL

## PRODUCT FEATURES



Ideal choice for large scale ground Installation



Selected encapsulating material and Stringent production process control Ensure the product is highly PID resistant And snail trails free



Special cutting and soldering Technology leads to low hotspot risk



Sand blowing test, salt mist test and Ammonia test passed to endure harsh Environments



Optimized system performance due to Module level current sorting



Highly transparent self-cleaning glass brings Additional yield and easy maintenance

**5W**  
Positive Tolerance  
0/+5W Guaranteed

**PID**  
PID Resistant

- manufacturer of crystalline silicon photovoltaic modules
- Fully automatic facility and world-class technology
- Rigorous quality control to meet the highest standard: ISO9001:2015, ISO14001: 2015 and OHSAS: 18001 2007
- Tested for harsh environments (salt mist, ammonia corrosion and sand blowing test: IEC 61701, IEC 62716, DIN EN 60068-2- 68)
- Long term reliability tests
- 2×100% EL inspection ensuring defect-free modules





**Electrical Specification (STC\*)**

Maximum Power	P <sub>max</sub> [W]	530	535	540	545	550
Maximum Power Voltage	V <sub>mp</sub> [V]	40.74	40.88	41.01	41.15	41.28
Maximum Power Current	I <sub>mp</sub> [A]	13.01	13.09	13.17	13.24	13.32
Open Circuit Voltage	V <sub>oc</sub> [V]	49.26	49.40	49.53	49.67	49.80
Short Circuit Current	I <sub>sc</sub> [A]	13.69	13.77	13.85	13.93	14.01
Module Efficiency	(%)	20.5	20.7	20.9	21.1	21.3
Power Output Tolerance	[W]					0~+5

\* Irradiance 1000W/m<sup>2</sup>, Module Temperature 25°C, Air Mass 1.5

**Electrical Specification (NOCT\*)**

Maximum Power	P <sub>max</sub> [W]	394	398	402	406	410
Maximum Power Voltage	V <sub>mp</sub> [V]	37.92	38.05	38.19	38.32	38.46
Maximum Power Current	I <sub>mp</sub> [A]	10.40	10.46	10.52	10.58	10.64
Open Circuit Voltage	V <sub>oc</sub> [V]	46.50	46.63	46.75	46.88	47.00
Short Circuit Current	I <sub>sc</sub> [A]	11.06	11.12	11.19	11.25	11.32

\* Irradiance 800W/m<sup>2</sup>, Ambient Temperature 20°C, Wind Speed 1m/s

**Mechanical Data**

Number of Cells	144 Cells (6x24)
Dimensions of Module L*W*H (mm)	2279x1134x35mm (89.81x44.64x1.38 inches)
Weight (kg)	29.4 kg
Glass	High transparency solar glass 3.2mm (0.13 inches)
Backsheet	White
Frame	Silver, anodized aluminium alloy
J-Box	IP68 Rated
Cable	4.0mm <sup>2</sup> (0.006 inches <sup>2</sup> ), 300mm (11.8 inches)
Number of diodes	3
Wind/ Snow Load	2400Pa/ 5400Pa*
Connector	MC4

\* For more details please check the installation manual

**Temperature Ratings**

Nominal Operating Cell Temperature (NOCT)	44±2°C
Temperature Coefficient of I <sub>sc</sub>	+0.048%/°C
Temperature Coefficient of V <sub>oc</sub>	-0.270%/°C
Temperature Coefficient of P <sub>MAX</sub>	-0.350%/°C

**Maximum Ratings**

Operational Temperature	-40~+85°C
Maximum System Voltage	1500V DC -(H)
Max Series Fuse Rating	25A

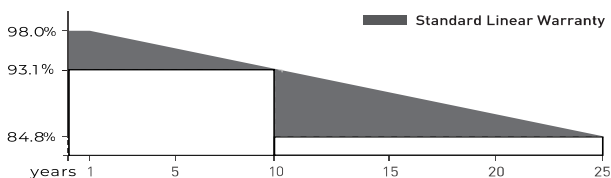
**Packaging Configuration**

Module per box	31 pieces
Module per 40' container	620 pieces

**Optional**

Connector  MC4

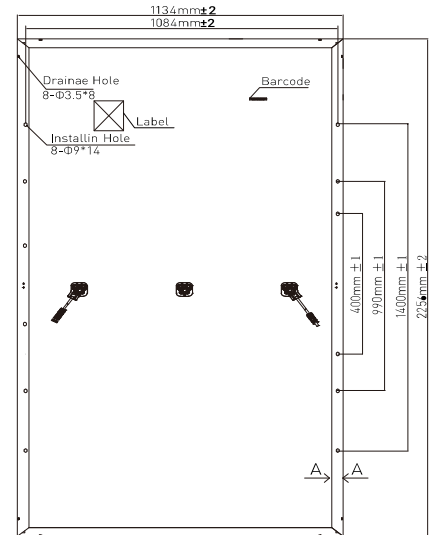
**Linear Performance Warranty**



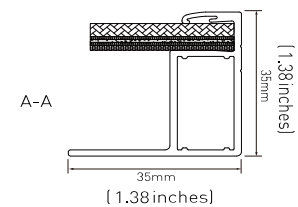
**12 Years Warranty**      **25 Years Linear Power Warranty**

\* Please refer to standard warranty for details

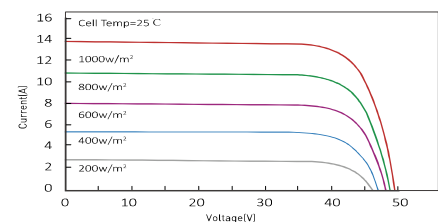
**Module Dimension**



Back View



**I-V Curve at Different Temperature (530W)**



**I-V/P-V Curve at Different Irradiation (530W)**

