



# Green Bank

96 Cells

500-550 Watt

MONO CRYSTALLINE MODULE

ISO9001:2008, ISO14001:2004, OHSAS18001 certified factory.  
IEC61215, IEC61730 certified products.



## KEY FEATURES



### Positive tolerance:

Positive tolerance of up to 5W delivers higher output reliability.



### High Efficiency:

Higher module conversion efficiency benefit from Passivated Emmitter Rear Contact (PERC) technology.



### PID RESISTANT:

Eagle modules pass PID test, limited power degradation by PID test is guaranteed for mass production.



### Low-light Performance:

Advanced glass and solar cell surface texturing allow for excellent performance in low-light environments.



### Severe Weather Resilience:

Certified to withstand: wind load (2400 Pascal) and snow load (5400 Pascal).

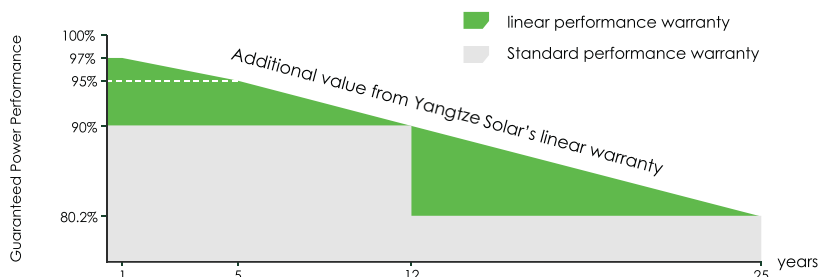


### Durability against extreme environmental conditions:

High salt mist and ammonia resistance certified by TUV NORD.

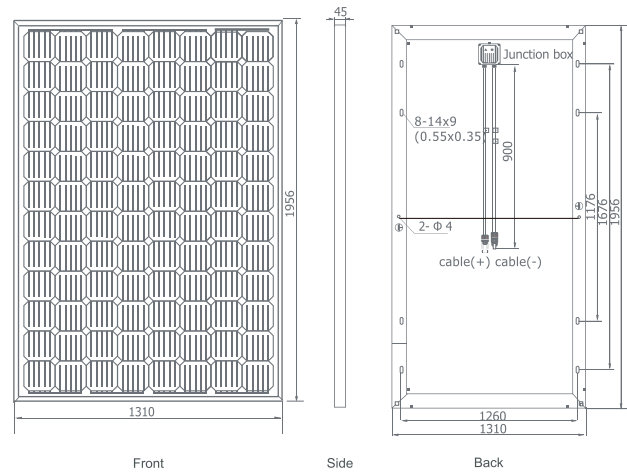
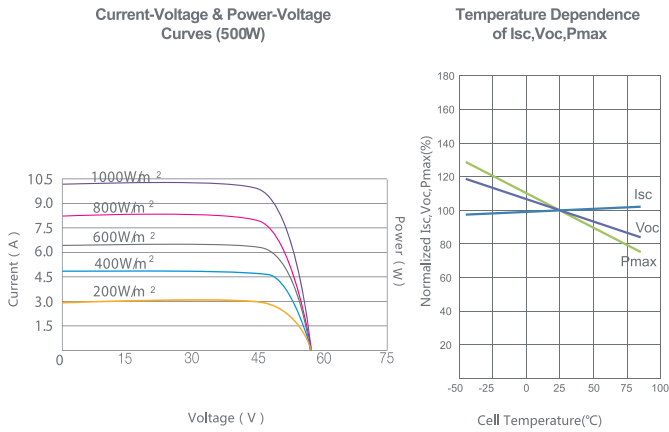
## LINEAR PERFORMANCE WARRANTY

12 Year Product Warranty • 25 Year Linear Power Warranty



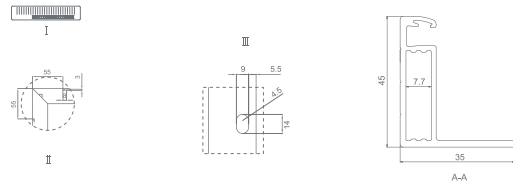
## Electrical Performance & Temperature Dependence

## Engineering Drawings



## Mechanical Characteristics

Cell Type	Mono-crystalline PERC 156×156mm (6 inch)
No. of cells	96 (8x12)
Dimensions	1956x1310x45mm (77.01x51.58x1.77 inch)
Weight	26.5 kg (58.4 lbs.)
Front Glass	3.2mm, Anti-Reflection Coating, High Transmission, Low Iron, Tempered Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP67 Rated
Output Cables	TÜV 1×4.0mm <sup>2</sup> Length:900mm or Customized Length



## Packaging Configuration

( Two pallets =One stack )

20pcs/pallet , 40pcs/stack, 480 pcs/40'HQ Container

## SPECIFICATIONS

Module Type	MITS520M-96	MITS530M-96	MITS540M-96	MITS550M-96
Maximum Power (Pmax)	520W	530W	540W	550W
Maximum Power Voltage (Vmp)	48.76V	48.94V	49.12V	49.30V
Maximum Power Current (Imp)	10.69A	10.88A	11.06A	11.24A
Open-circuit Voltage (Voc)	58.52V	58.73V	58.95V	59.16V
Short-circuit Current (Isc)	10.90A	11.09A	11.28A	11.46A
Module Efficiency STC (%)	20.35%	20.68%	21.07%	21.46%
Operating Temperature(°C)	-40°C~+85°C			
Maximum system voltage	1000VDC or 1500VDC			
Maximum series fuse rating	20A			
Power tolerance	0~+3%			
Temperature coefficients of Pmax	-0.39%/°C			
Temperature coefficients of Voc	-0.29%/°C			
Temperature coefficients of Isc	0.048%/°C			
Nominal operating cell temperature (NOCT)	45±2°C			

STC: Irradiance 1000W/m<sup>2</sup>, Cell Temperature 25°C, AM=1.5

NOCT: Irradiance 800W/m<sup>2</sup>, Ambient Temperature 20°C, AM=1.5, Wind Speed 1m/s

\* Power measurement tolerance: ± 3%

The company reserves the final right for explanation on any of the information presented hereby. Green Bank Australia.