



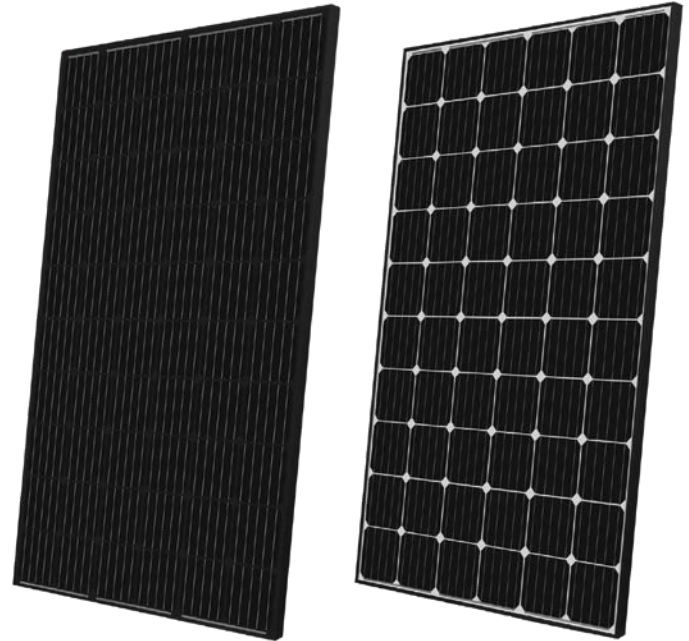
30 YEAR performance guarantee  
20 YEAR product warranty



ASSURED ENERGY  
Product Liability Insurance via QBE



PERC Technology  
Passivated Emitter and Real Cell



### Cells



Type\_ MONO 5BB  
Qty\_ 60 CELLS  
Dimensions\_ 156x156mm

### Backsheet



Black

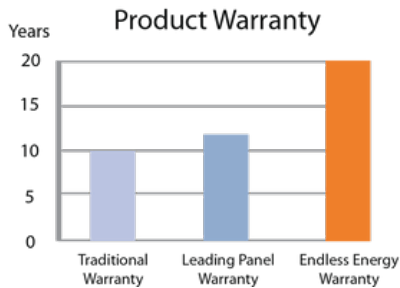


White

### Frame



Black



POSITIVE POWER OUTPUT TOLERANCE



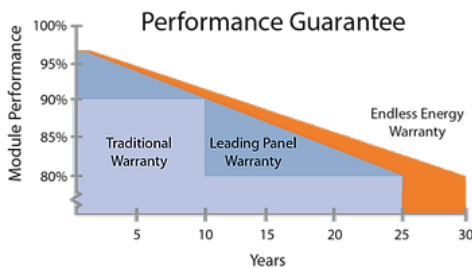
MODULE FIRE PERFORMANCE CLASS I



ANTI-REFLECTIVE GLASS



HAILSTORM RESISTANCE

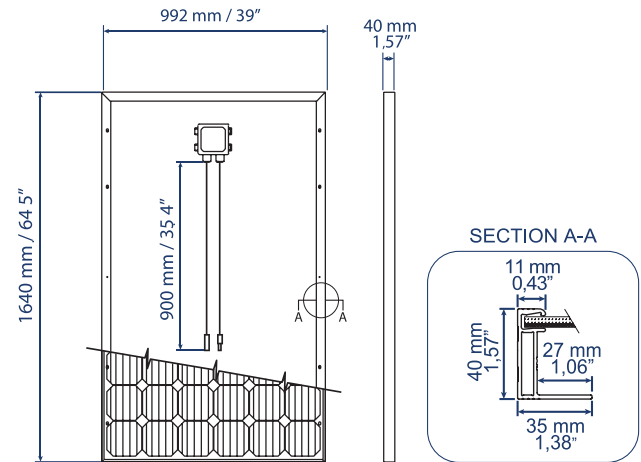


Endless Energy monocrystalline solar panels are produced using a combination of innovative production processes and advanced engineering techniques. This allows us to provide customers with maximum output and super high performance (over 20% efficiency), meaning fewer panels can be used to generate more energy. Modern design, matching black cells and frames and an industry-leading lifespan make these monocrystalline panels an ideal option for a vast array of solar power projects.

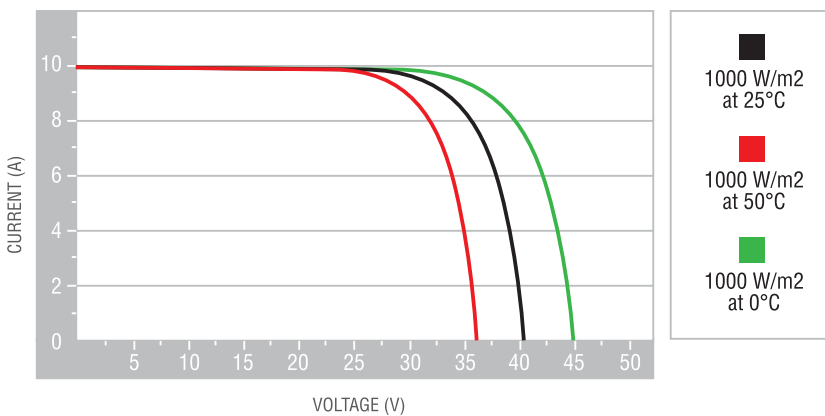
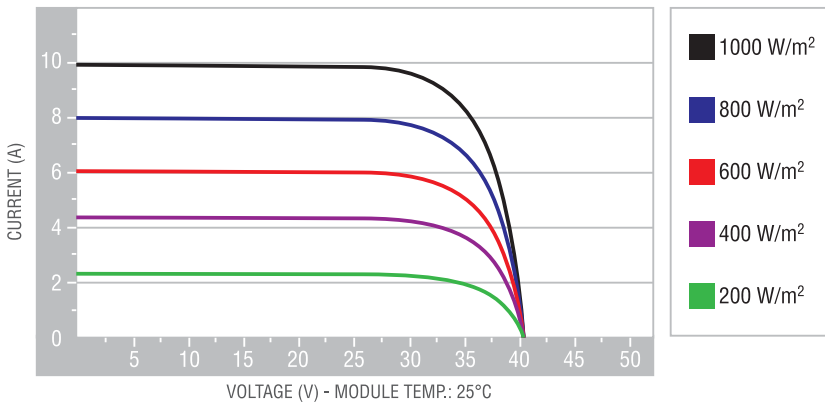
Powered by Peimar

### ELECTRICAL CHARACTERISTICS STC\*

	MB310	MW315
Nominal Output (Pmax)	310 W	315 W
Flash Test Power Tolerance	0/+5 W	0/+5 W
Voltage at Pmax (Vmp)	32.6 V	33 V
Current at Pmax (Imp)	9.51 A	9.57 A
Open Circuit Voltage (Voc)	40.7 V	40.93 V
Short Circuit Current (Isc)	9.8 A	9.82 A
Maximum System Voltage	1500 V	1500 V
Maximum Series Fuse Rating	15 A	15 A
Module Efficiency	19.05%	19.36%



### CURRENT/VOLTAGE CHARACTERISTICS



\*STC: (Standard Test Condition) Irradiance 1000W/m<sup>2</sup>; Module Temperature 25°C; Air Mass 1.5

\*\*NOCT: (Nominal Operation Cell Temperature) Sun 800W/m<sup>2</sup>; Air 20°C; Wind speed 1m/s

\*\*\*Pallets can be stacked up to two

### MECHANICAL CHARACTERISTICS

Solar Cells	60 (6x10) monocrystalline PERC
Solar Cells Size	156x156 mm / 6x6"
Front Cover	3.2 mm / 0.12" thick, low iron tempered glass
Back Cover	TPT (Tedlar-PET-Tedlar)
Encapsulant	EVA (Ethylene vinyl acetate)
Frame	Anodized aluminium alloy, double wall
Frame finishing	Black
Backsheet finishing	Black
Diodes	3 Bypass diodes serviceable
Junction Box	IP67 rated
Connector	MC4 or compatible connector
Cables Length	900 mm / 35.4"
Cables Section	4.0 mm <sup>2</sup> / 0.006 in <sup>2</sup>
Dimensions	1640x992x40 mm / 64.5x39x1.57"
Weight	18 Kg / 39.7 lbs
Max. Load	Certified to 5400 Pa

### TEMPERATURE CHARACTERISTICS

NOCT**	45±2 °C
Temperature Coefficient of Pmax	-0.42 %/°C
Temperature Coefficient of Voc	-0.32 %/°C
Temperature Coefficient of Isc	0.047 %/°C
Operating Temperature	-40 °C ~ +85°C

### CERTIFICATIONS

Fire Resistance Rating	Class C (for ULC/ORD-C1703-01)
Module fire performance	Type 1 (for UL 1703)

### PACKAGING\*\*\*

Pallet dimensions	1700x1200x1200 mm / 67x47x47"
Pieces per pallet	27
Weight	516 Kg / 1138 lbs