

Built using Mono-crystalline PERC technology, the Energizer® Solar Panels range combine two of the best technologies in the market.



Lower Power Loss

Better performance in shaded and low-light conditions.



Higher efficiency

Higher module power efficiency up to 20.6%.



Lower operating temperatures

Low operating temperatures and coefficients increases performance.



Half Cell technology

Excellent performance under real conditions.



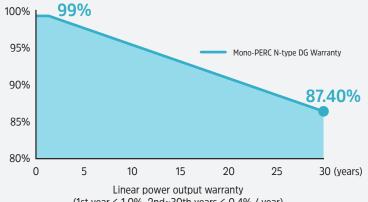
Keeps going and going

Engineered and designed to withstand harsh environments.



hello@energizersolar.com energizersolar.com







Electrical Specifications

STC: Irradiance 1000W/m², Cell Temperature 25°C, AM	I=1.5		
Rated output (Pmpp / Wp)	455	460	465
Rated voltage (Vmpp / V)	34.92	35.08	35.25
Rated current (Impp / A)	13.03	13.11	13.19
Open circuit voltage (Voc / V)	41.55	41.75	41.95
Short circuit voltage (Isc / A)	13.71	13.81	13.91
Module efficiency	21.1%	21.3%	21.5%

NMOT: Irradiance 800W/m², Ambient Temperature 20°C, AM=1.5, Wind Speed 1m/s Rated output (Pmpp / Wp) 349.7 345.9 Rated voltage (Vmpp / V) 32.86 33.02 33.18 Rated current (Impp / A) 10.41 10.48 10.54 Open circuit voltage (Voc / V) 39.47 39.66 39.85 Short circuit current (Isc / A) 11.06 11.15 11.23

Power Sorting: +/-5W Measurement tolerance +/-3%

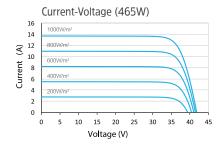
Tempertaure Rating (STC)

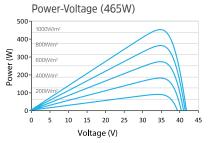
Temperature coefficient (Pmpp)	-0.30% / °C
Temperature coefficient (Isc)	-0.043% / °C
Temperature coefficient (Voc)	-0.24%/°C
Nominal module operating temperature (NMOT)	41±2°C

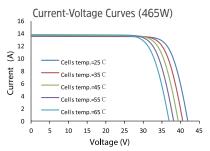
Operating Parameters

No. of diodes	3
Junction box IP rating	IP68
Max. series fuse rating	25A
Max. system voltage (IEC/UL)	1500Vpc

Curve

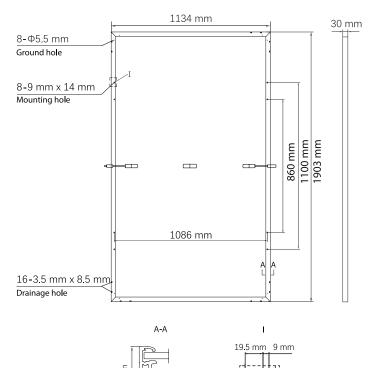






Other Specifications

Outer dimensions (L x W x H)	1903 x 1134 x 30mm
Cell type	N type Mono-crystalline
No. of cells	120
Frame technology	Black Aluminium
Front glass thickness	3.2mm
Cable length (IEC/UL)	Portrait: 350mm; Landscape: 250mm
Cable diameter (IEC/UL)	4mm ² / 12 AWG
Maximum mechanical test load	5400 Pa (front) / 2400 Pa (back)
Connector type (IEC/UL)	MC4 Connector PV-KBT4-EVO2A/xy (Stäubli)
Module weight	23.8kg
Packing unit	36 pcs / box
Weight of packing unit (40ft container)	901kg
Modules per 40ft container	864 pcs
Fire Class Rating	Class C
Country of Manufacturer	China



33 mm





