



Beam N Solar Panel

550-565W


Silver / Black Frame (182mm)


Mono PERC Half Cell Module

ENSP72N2550SI ENSP72N2560SI
ENSP72N2555SI ENSP72N2565SI





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

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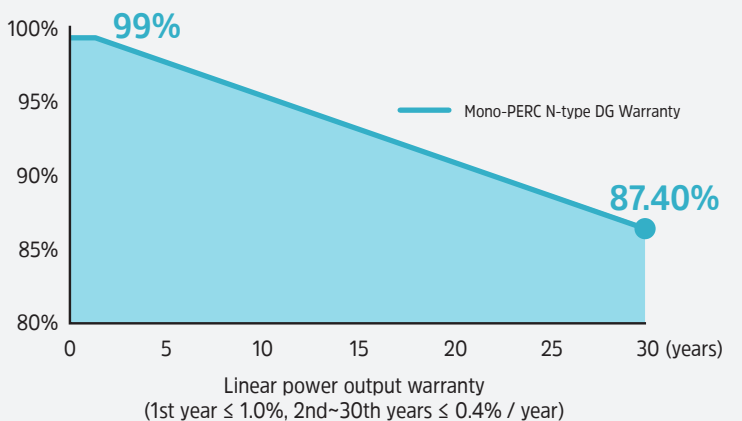
Lower Power Loss
Better performance in shaded and low-light conditions.
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Higher efficiency
Higher module power efficiency up to 20.6%.
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Lower operating temperatures
Low operating temperatures and coefficients increases performance.
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Half Cell technology
Excellent performance under real conditions.
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Keeps going and going
Engineered and designed to withstand harsh environments.



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Electrical Specifications

STC: Irradiance 1000W/m², Cell Temperature 25°C, AM=1.5

Rated output (P _{mpp} / Wp)	550	555	560	565
Rated voltage (V _{mpp} / V)	41.88	42.00	42.13	42.25
Rated current (I _{mpp} / A)	13.13	13.21	13.29	13.37
Open circuit voltage (V _{oc} / V)	50.25	50.40	50.55	50.70
Short circuit voltage (I _{sc} / A)	13.70	13.80	13.90	14.00
Module efficiency	21.3%	21.5%	21.7%	21.9%

NMOT: Irradiance 800W/m², Ambient Temperature 20°C, AM=1.5, Wind Speed 1m/s

Rated output (P _{mpp} / Wp)	413.6	417.4	421.1	424.9
Rated voltage (V _{mpp} / V)	39.41	39.53	39.65	39.77
Rated current (I _{mpp} / A)	10.49	10.56	10.62	10.68
Open circuit voltage (V _{oc} / V)	47.73	47.87	48.02	48.16
Short circuit current (I _{sc} / A)	11.06	11.14	11.22	11.30

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

Temperature Rating (STC)

Temperature coefficient (P _{mpp})	-0.30% / °C
Temperature coefficient (I _{sc})	-0.043% / °C
Temperature coefficient (V _{oc})	-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)	1500V _{oc}

Other Specifications

Outer dimensions (L x W x H)	2278 x 1134 x 35mm
Cell type	N type Mono-crystalline
No. of cells	144
Frame technology	Aluminium (silver)
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	26.9kg
Packing unit	31 pcs / box
Weight of packing unit (40ft container)	893kg
Modules per 40ft container	620 pcs
Fire Class Rating	Class C
Country of Manufacturer	China

Curve

