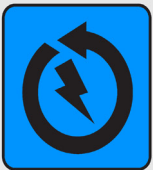
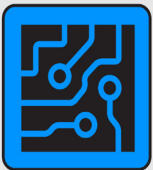


72 CELL SERIES

425W-435W



Class Leading Output:
435W Bifacial top tier
power performance



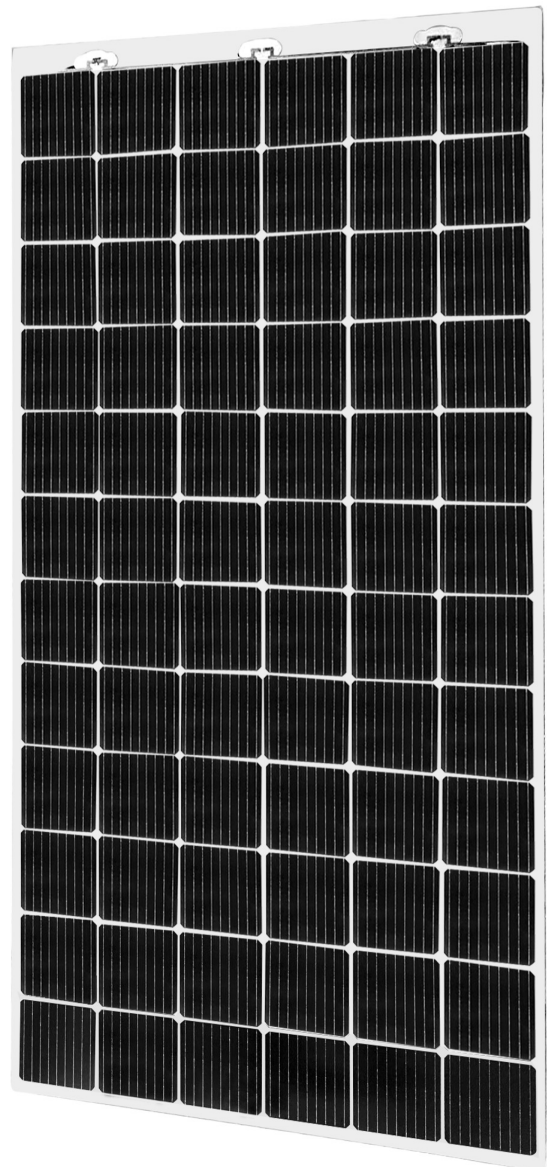
Advanced Technology:
Module efficiencies above 21%
MONO PERC 9 busbar cells



Reduced System Costs:
1000V robust frameless design



Certified Reliability:
Tested above and beyond
IEC Standards



IEC 61215
IEC 61730

Proudly Engineered, Designed and
Tested in the USA.

72 CELL SERIES

425-435W

Electrical Data BN72-XXX 425W, 430W, 435W

Projected specifications @ STC

| Parameters | | STC ¹ | BSTC |
|--|----------------------|-------------------|-------------------|
| Rated Power | P _{max} (W) | 425/430/435 | 480/486/492 |
| Rated Voltage | V _{mp} (V) | 41.66/41.81/41.96 | |
| Rated Current | I _{mp} (A) | 10.44/10.52/10.61 | 11.80/11.89/11.99 |
| Open Circuit Voltage | V _{oc} (V) | 50.35/50.50/50.58 | |
| Short Circuit Current | I _{sc} (A) | 11.31/11.34/11.37 | 12.78/12.81/12.85 |
| Module Efficiency | (%) | 18.90/19.13/19.35 | 21.36/21.62/21.86 |
| Max System Voltage | UL/IEC | 1,000V | |
| Series Fuse Rating/Limiting Reverse Current | | 20A | |
| Power Tolerance | | -0/+5W | |
| Electrical Parameter Tolerance | | -5%/+5% | |
| Power Temperature Coefficient | | -0.36 %/°C | |
| Voltage Temperature Coefficient (V _{oc}) | | -0.28 %/°C | |
| Current Temperature Coefficient (I _{sc}) | | +0.05 %/°C | |
| NOCT (C°) | | 45°C +/- 2°C | |

Mechanical Data

| | |
|---------------------------|--|
| Front Glass | 3.2mm Tempered Low Iron, Anti-reflective coating |
| Frame Type | Frameless |
| Bypass Diodes | 3 |
| Junction Box | IP68 with bypass-diodes |
| Cable (Type/Gauge/Length) | PV Wire 12 AWG 4mm ² 1200mm |
| Connectors | MC4 compatible |
| Exterior Dimensions | 2129mm X 1056mm X 7mm (83.82in X 41.57in X 0.276in) |
| Weight | 35kg (78 lbs.) |

Operating Conditions

| | |
|----------------------------------|--|
| Temperature | -40°C to 85°C (-40°F to 185°F) |
| Max Mechanical Load ³ | 2400 Pa wind load 5400 Pa snow load |

Certifications & Warranty

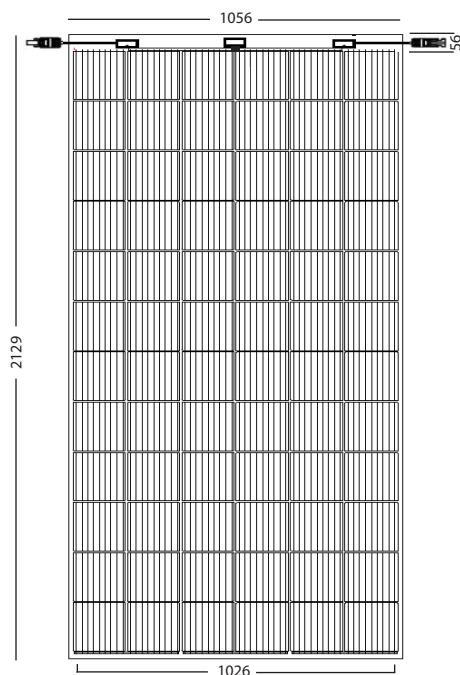
| | |
|--------------------------------------|---------------------------------------|
| Certifications and Listings | IEC61215/61730, CEC |
| Fire Rating | Type=3 ; Class A |
| Limited Warranty (Workmanship/Power) | 12 Years/25 Years Output ⁴ |

- 1 - Measured at Standard Testing Conditions (STC): cell temp 25°C, AM1.5, 1000W/m².
- 2 - Length and width dimensions are +/- 5mm.
- 3 - To achieve this max weight loading, the support and racking system must meet the mechanical weight loading specified.
- 4 - Please see the Prism Solar Warranty for complete details.

IMPORTANT: Prism modules are rated at STC conditions and Bifacial STC conditions (BSTC). BSTC ratings account for additional power produced from the back of the module. Under certain mounting conditions, Prism modules could produce more power than their STC rating. This additional power should be accounted for using the BSTC rating when sizing and selecting system components.

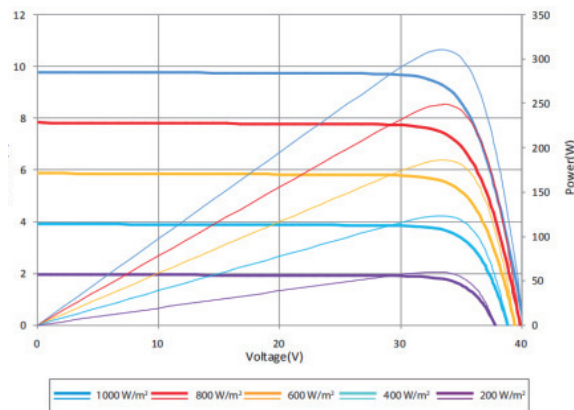
CAUTION: Read the Installation Manual and Design Guide carefully before using this product. All specifications are subject to change without notice.

BN72-435W specifications, all values subject to change without notice. All rights reserved.
rev 0.4



Dimensions, mm

Length & width dimensions and j-box location are +/- 5mm.



Irradiance Dependence BN72-435W

Prism Solar
TECHNOLOGIES
520 Broad Street, Newark NJ 07102
845-883-4200