



PRISM SOLAR
TECHNOLOGIES

Power Redefined.

BN72-435W

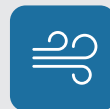
Residential | Commercial

Features



More Power

Generate up to 35% more power with bifacial boost.



Durable Product Design

Built to withstand harsh environmental & weather conditions



Stellar Design

Frameless module design for premium aesthetics



Trusted Warranty

25 year product & power performance warranty



Electrical Specifications (STC*)

Model	425W	430W	435W
Rated Power (Pmax)	425	430	435
MPP Voltage (Vmp)	41.66	41.81	41.96
MPP Current (Imp)	10.44	10.52	10.61
Open Circuit Voltage (VOC)	50.35	50.50	50.58
Short Circuit Current (ISC)	11.31	11.34	11.37
Module Efficiency	18.90	19.13	19.35
Power Tolerance	-0/+5W		

*Measured at Standard Testing Conditions (STC): cell temp 25°C, AM1.5, 1000W/m²

Temperature Ratings

Temperature Coefficient (Pmax)	-0.36%/°C
Temperature Coefficient (Isc)	+0.05%/°C
Temperature Coefficient (Voc)	-0.28%/°C
Normal Operating Cell Temperature	45°C+/-2°C

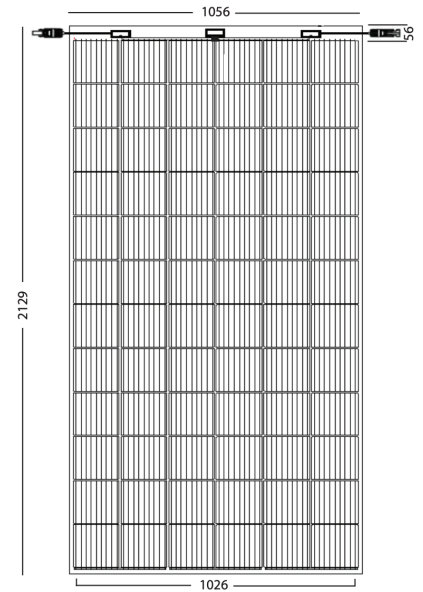
Operating Conditions

Temperature	-40°C to 85°C (-40°F to 185°F)
Series Fuse Rating	20A
Maximum System Voltage	1000V
Maximum Load Capacity	2400 Pa wind load, 3600 Pa snow load
Fire Performance Class	Type 28

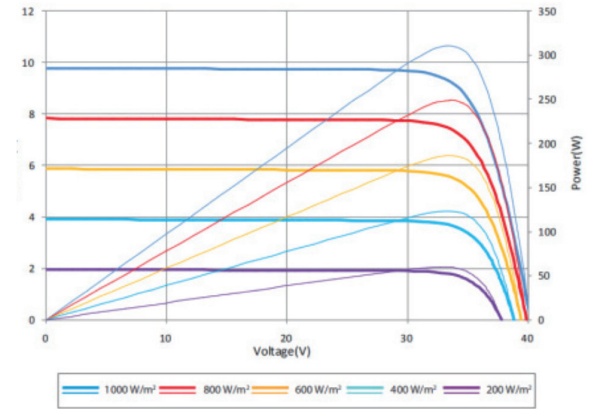
Mechanical Data

Glass	3.2mm tempered low iron, anti-reflective coating
Frame	Frameless
Bypass Diodes	3
Junction Box	IP68 with bypass-diodes
Cables	PV wire, 12 AWG, 4mm ² , 1200mm
Connectors	MC4 compatible
Dimensions	2129mm X 1056mm X 7mm
Weight	35kg (78lbs.)
Packing	50pcs/pallet; 500pcs 40HQ

Engineer Drawing



I-V Curves



Certifications

UL 61730-1, UL61730-2

CEC

Salt Mist