

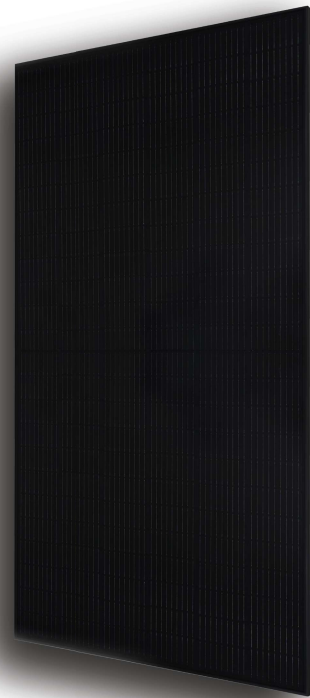


Industry Leading 30 Years Product and Performance Warranty

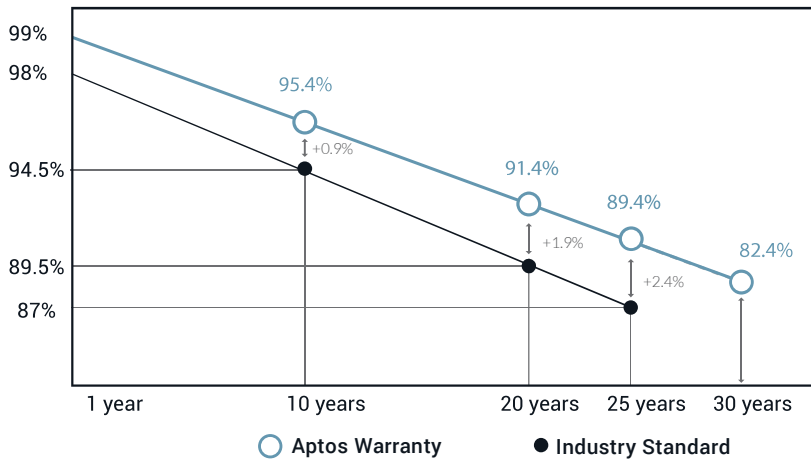
DNA-108-MFN10-440W
Residential | Commercial

440W | 445W | 450W

Our DNA Split Cell Series uses advanced N-Type technology with thin film layers to improve heat tolerance, maximize energy harvest, minimize resistive loss, and use 5% more of the available active area for optimal power performance.



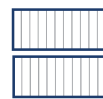
Linear Performance Warranty



Key Features



Advanced Technology
Patented DNA™ technology boosts power performance & module efficiency.



Aesthetics
All black design with advanced split cell technology features 16 ultra-thin busbars that allow for less resistance and greater energy harvest.



Miami-Dade Approved
Miami-Dade County wind load certified to withstand up to 5400 Pa.



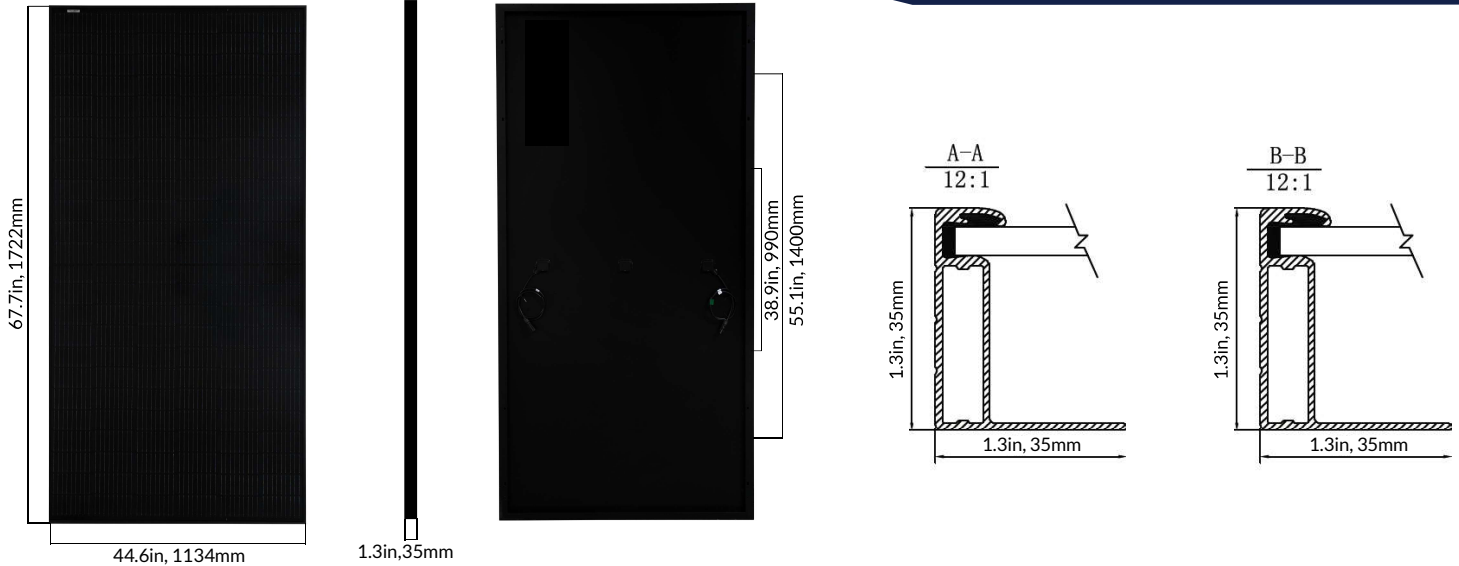
Awards
Winners of the Leadership in Solar Energy award for three consecutive years and listed as one of the Top Solar Products from 2021-2022.



Anti-LID
No Light Induced Degradation - maintaining optimal performance and longevity for sustainable energy production



Bankable Investment
Comprehensive warranty that covers both **30-year product** and **30-year power** performance.



Electrical Specifications	DNA-108-MFN10-440W		DNA-108-MFN10-445W		DNA-108-MFN10-450W	
	STC	NOCT	STC	NOCT	STC	NOCT
Rated Output P_{mpp} (W)	440W	336W	445W	340W	450W	344W
Open Circuit Voltage V_{OC} (V)	39.03	37.48	39.16	37.57	39.29	37.66
Short Circuit Current I_{SC} (A)	13.73	11.20	13.81	11.32	13.89	11.44
Rated Voltage V_{mpp} (V)	33.48	31.92	33.62	31.99	33.76	32.06
Rated Current I_{max} (A)	13.15	10.53	13.25	10.63	13.35	10.73
Module Efficiency	22.53%		22.79%		23.04%	

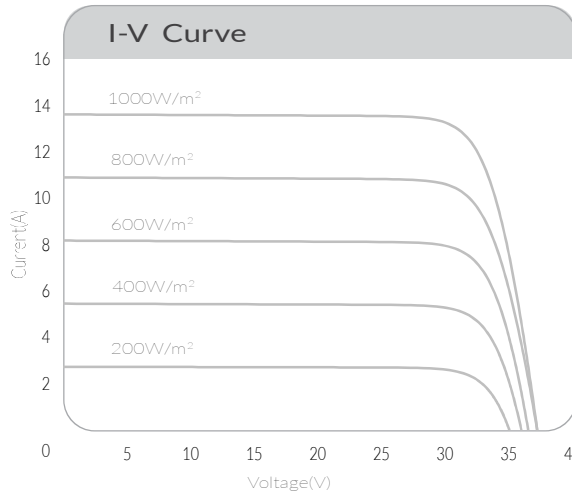
STC for front-face of panel: 1000 W/m², 25°C, measurement uncertainty $\pm 3\%$
 NOCT for front-face of panel: 800W/m², 45°C, Wind speed 1 m/s

Mechanical Properties	
Cell Type	N-TYPE TECHNOLOGY
Glass	AR coating, High Transmission, Low Iron, Tempered Glass
Frame	Anodized Aluminum Alloy
Junction Box	IP68
Dimensions	67.7 X 44.6 X 1.3 in, 1722 X 1134 X 35 mm
Weight	44.5lbs. (20.2kg)
Output Cable	4mm ² (EU) 12AWG, 39.37in. (1200mm)
Cable Length	47.2 in. (1200mm)
Encapsulant	POE and EVA
Connector Type	Staubli EVO2

Temperature Coefficients	
Temperature Coefficients P_{mpp}	-0.30%/°C
Temperature Coefficients I_{sc}	+0.046%/°C
Temperature Coefficients V_{OC}	-0.25%/°C
Nominal Operating Cell Temperature (NOCT)	45°C

Test Operating Conditions	
Maximum Series Fuse	25A
Maximum System Voltage	1,500 VDC (UL&IEC)
Maximum Load Capacity (Per UL 1703)	5400 PA Snow Load / 5400 Pa Wind Load
Fire Performance Type	Type 1

Packaging Configuration	
Number of Modules per Pallet	31
Number of Pallets per 40ft. Container	26
Pallet Dimensions	68.97 X 44.48 X 49.76 in, 1752 X 1130 X 1264 mm
Pallet Weight (lbs)	1380.43
Modules per 40ft. Container	806



Certifications			
	Intertek UL61730-1, UL61730-2	IEC61730-1 IEC61730-2	



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