



DNA™ 108-Bifacial

Solar for Innovators

DNA-108-BF10-410W

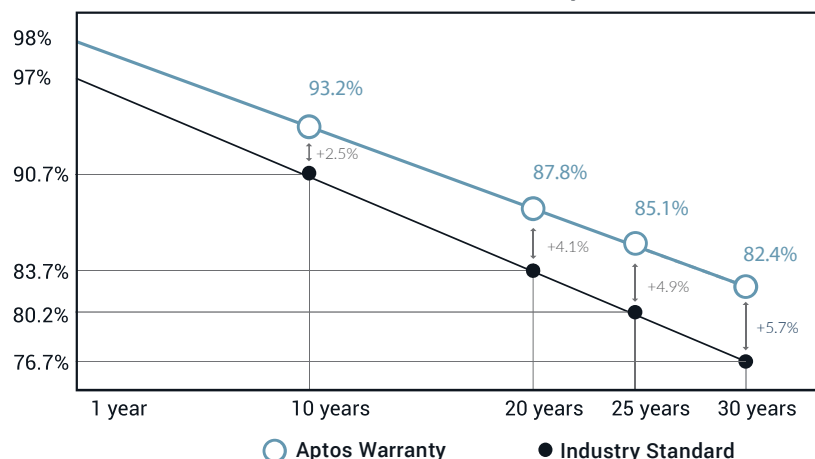
Residential | Commercial

Our DNA Split Cell Series uses advanced selective emitter PERC 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.

Industry Leading 30 Years Product and Performance Warranty

400W | 405W | 410W

Linear Performance Warranty



Key Features



Advanced Technology

Patented DNA™ technology boosts power performance & module efficiency.



Designed & Engineered In
Silicon Valley



Miami-Dade Approved

Maximum Durability: LEVEL 6 SALT MIST Tested, 5400 Pa Wind Load Certified Panels.



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.



Bankable Investment

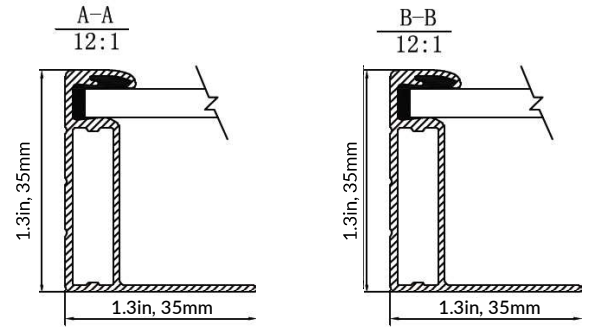
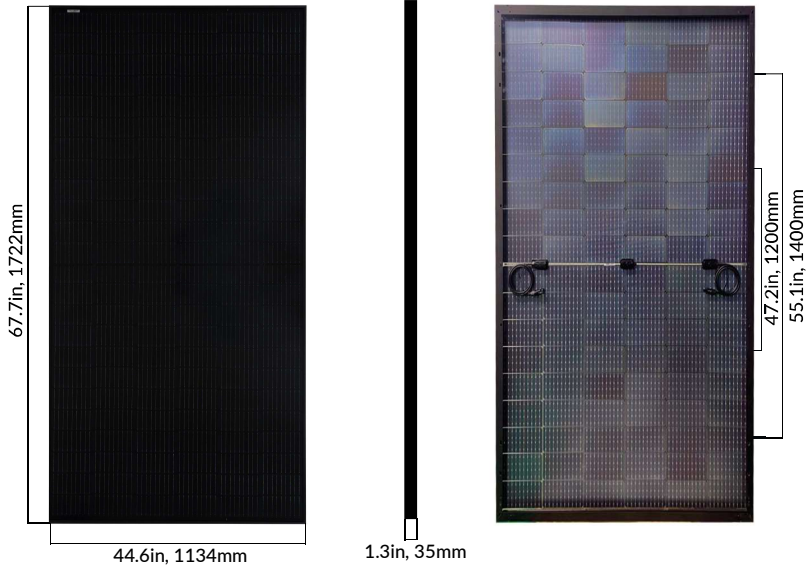
Comprehensive warranty that covers both **30-year product** and **30-year power** performance.



Aesthetics

All black design with advanced split cell technology features 10 ultra-thin busbars that allow for less resistance and greater energy harvest.

DNA™ 108 Bifacial



Electrical Specifications

	DNA-108-BF10-400W		DNA-108-BF10-405W		DNA-108-BF10-410W	
	STC	NOCT	STC	NOCT	STC	NOCT
Rated Output P_{mp} (W)	400W	303W	405W	308W	410W	312W
Open Circuit Voltage V_{oc} (V)	37.18	35.23	37.42	35.47	37.67	35.71
Short Circuit Current I_{sc} (A)	12.99	11.19	13.05	11.25	13.11	11.31
Rated Voltage V_{mp} (V)	32.58	28.81	32.83	29.05	33.08	29.29
Rated Voltage I_{mp} (A)	12.27	10.54	12.33	10.60	12.39	10.66
Module Efficiency	20.48%		20.74%		20.96%	

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

Bifacial Output-Rearside Power Gain

5%-Maximum Power (Pmax)	420W	425W	431W
5%-Module Efficiency STC(%)	21.51%	21.78%	22.05%
15%-Maximum Power (Pmax)	460W	467W	472W
15%-Module Efficiency STC(%)	23.56%	23.85%	24.15%
25%-Maximum Power (Pmax)	500W	506W	513W
25%-Module Efficiency STC(%)	25.60%	25.93%	26.25%

Test Operating Conditions

Maximum Series Fuse	30A
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

Temperature Coefficients

Temperature Coefficients P_{mp}	-0.32%/°C
Temperature Coefficients I_{sc}	+0.03%/°C
Temperature Coefficients V_{oc}	-0.24%/°C
Normal Operating Cell Temperature (NOCT)	45°C $\pm$ 2°C

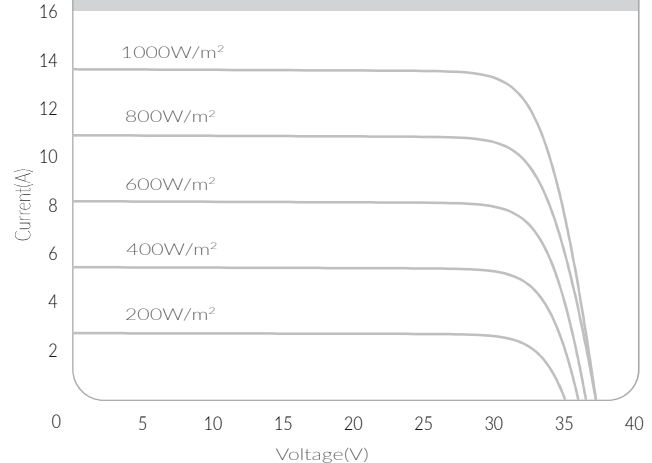
Packaging Configuration

Modules per Pallet	31
Pallets per 40ft. Container	26
Pallet Dimensions	68.97 X 44.48 X 49.76 in
Pallet Weight (lbs)	1503.5
Modules per 40ft. Container	806

Mechanical Properties

Cell Type	SE-PERC
Glass	3.2mm, anti-reflection 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	48.5 lbs
Output Cable	4mm ² (EU)12AWG,39.37in
Cable Length	47.2in, 1200mm
Connector Type	Staubli EVO2

I-V Curve



Certifications



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Aptos Solar Technology reserves the right to make specification changes without notice.

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