



## DNA-108-BF10-410W

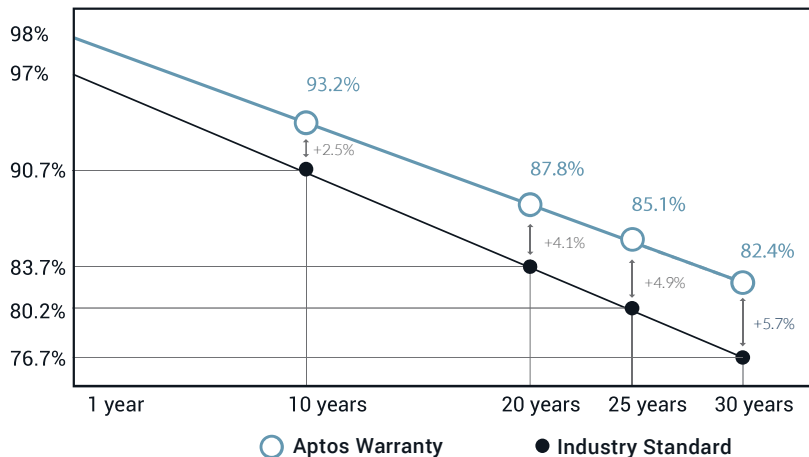
Residential | Commercial

## Industry Leading 30 Years Product and Performance Warranty

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.

400W | 405W | 410W

### Linear Performance Warranty



Designed & Engineered In  
Silicon Valley

### Key Features



#### Advanced Technology

Patented DNA™ technology boosts power performance & module efficiency.



#### 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

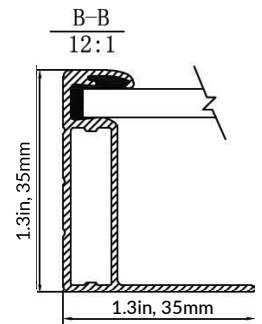
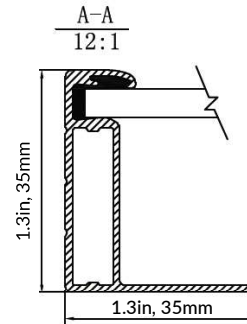
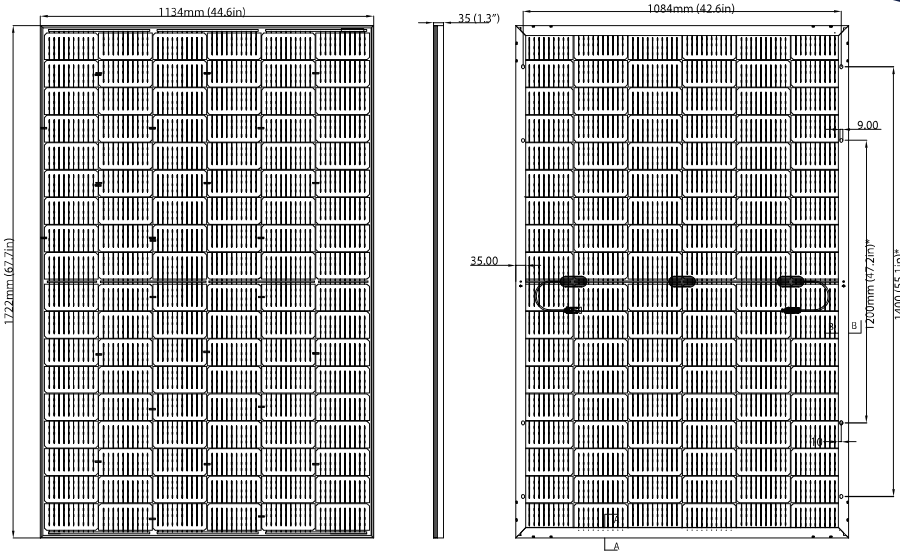
Comprehensive warranty that covers both **30-year product** and **30-year power** performance.



#### 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	299W	405W	303W	410W	312W
Open Circuit Voltage $V_{oc}$ (V)	37.07	35.14	37.23	35.22	37.23	35.31
Short Circuit Current $I_{sc}$ (A)	13.79	11.98	13.87	12.10	13.95	12.22
Rated Voltage $V_{mp}$ (V)	31.01	28.81	31.21	28.88	31.45	28.95
Rated Voltage $I_{mp}$ (A)	12.90	10.39	12.98	10.49	13.04	10.60

STC for front-face of panel: 1000 W/m<sup>2</sup>, 25°C, measurement uncertainty  $\pm 3\%$   
NOCT for front-face of panel: 800W/m<sup>2</sup>, 45°C, Wind speed 1 m/s

## Bifacial Output-Rearside Power Gain

5%-Maximum Power ( $P_{max}$ )	420W	425W	431W
5%-Module Efficiency STC(%)	21.51%	21.78%	22.05%
15%-Maximum Power ( $P_{max}$ )	460W	467W	472W
15%-Module Efficiency STC(%)	23.56%	23.85%	24.15%
25%-Maximum Power ( $P_{max}$ )	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 $P_{mp}$	-0.320%/°C
Temperature Coefficients $I_{sc}$	+0.036%/°C
Temperature Coefficients $V_{oc}$	-0.248%/°C
Normal Operating Cell Temperature (NOCT)	45°C $\pm$ 2°C

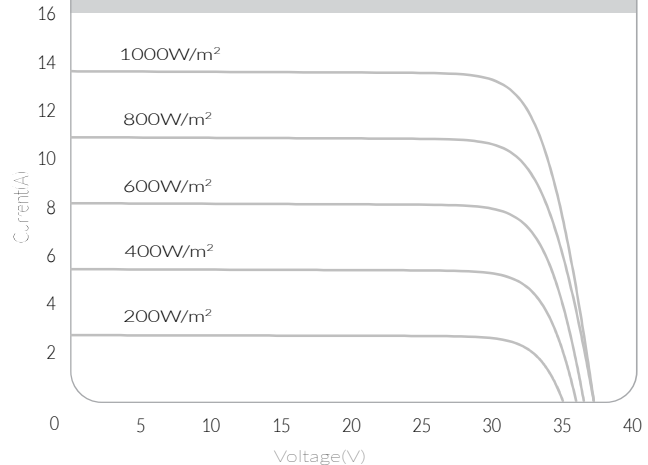
## Packaging Configuration

Modules per Pallet	31
Pallets per 40ft. Container	26
Pallet Dimensions	68.97 X 44.48 X 49.76 in, 1752 X 1130 X 1264 mm
Pallet Weight	1503.7lbs, 681.97Kg
Modules per 40ft. Container	806

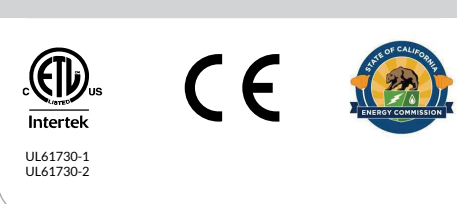
## Mechanical Properties

Cell Type	SE-PERC
Glass	3.2mm (0.12 in), 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	48.4lbs, 22.0 Kg
Output Cable	4mm <sup>2</sup> (EU)12AWG
Cable Length	47.2in, 1200mm
Connector Type	Staubli EVO2

## I-V Curve



## Certifications



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\*1. Mounting hole locations shown may not reflect actual locations. Top mount clamps are recommended.

\*\*2.Applicable only for clamping method, 5400Pa front side/ 2400Pa rear side load capacity for installation with mounting holes.

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