



# DNA™ 108-Monofacial

Solar for Innovators

## DNA-108-MF10-415W

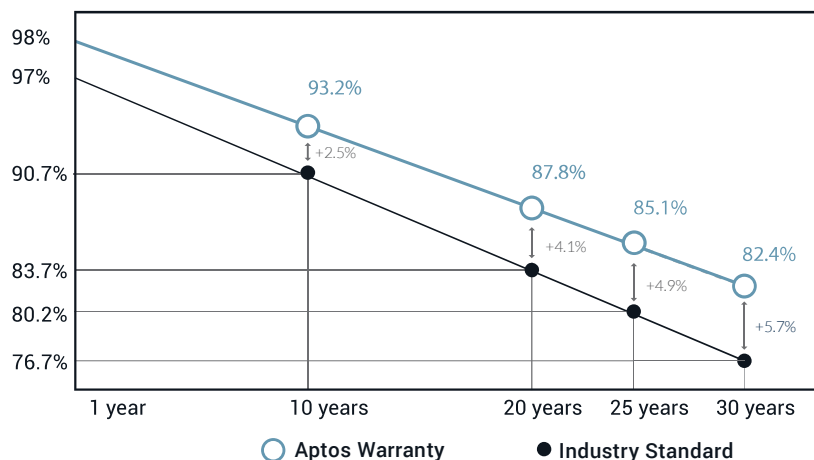
Residential | Commercial

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 | 415W

### 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.



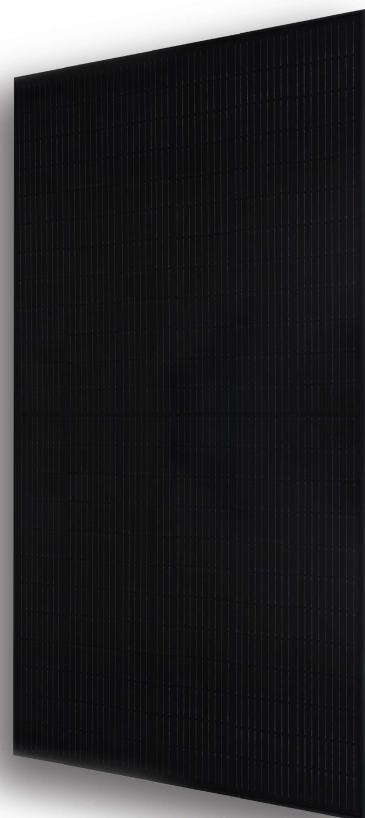
#### Bankable Investment

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

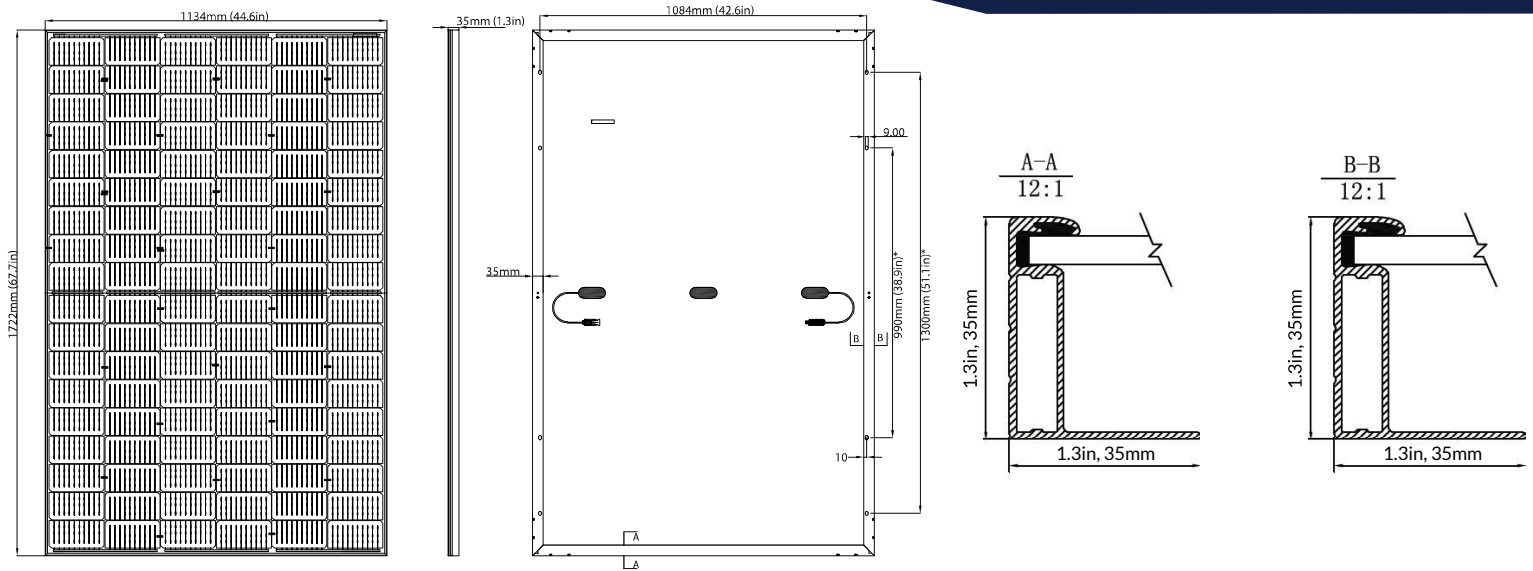


#### Aesthetics

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



# DNA™ 108 Monofacial



Electrical Specifications	DNA-108-MF10-400W		DNA-108-MF10-405W		DNA-108-MF10-410W		DNA-108-MF10-415W	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Rated Output $P_{mpp}$ (W)	400W	299W	405W	303W	410W	307W	415W	311W
Open Circuit Voltage $V_{OC}$ (V)	37.00	35.11	37.23	35.19	37.46	35.28	37.70	35.36
Short Circuit Current $I_{SC}$ (A)	13.79	12.11	13.83	12.19	13.87	12.27	13.91	12.35
Rated Voltage $V_{mp}$ (V)	31.00	28.78	31.16	28.85	31.32	28.92	31.50	28.99
Rated Current $I_{max}$ (A)	12.90	10.39	13.00	10.50	13.09	10.60	13.18	10.71
Module Efficiency	20.47%		20.78%		20.99%		21.25%	

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

## Mechanical Properties

Cell Type	SE-PERC
Glass	3.2mm(0.12in), 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	48.5lbs. (21.5kg)
Output Cable	4mm <sup>2</sup> (EU) 12AWG
Cable Length	47.2 in, 1200mm
Encapsulant	POE
Connector Type	Staubli EVO2

## Temperature Coefficients

Temperature Coefficients $P_{mpp}$	-0.353%/°C
Temperature Coefficients $I_{sc}$	+0.054%/°C
Temperature Coefficients $V_{OC}$	-0.272%/°C
Nominal Operating Cell Temperature (NOCT)	45°C

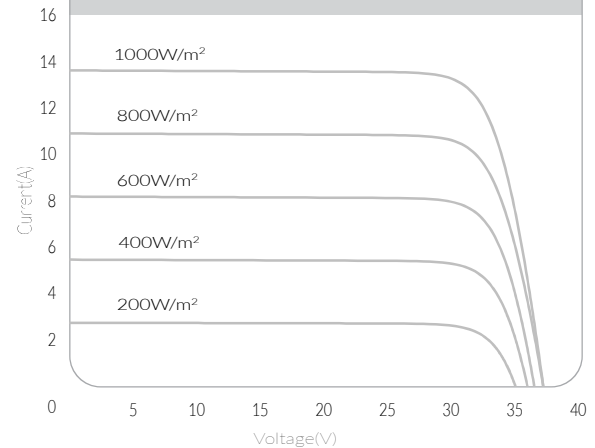
## Test Operating Conditions

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)	1503.5lbs, 681.97 kg
Modules per 40ft. Container	806

## 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.