



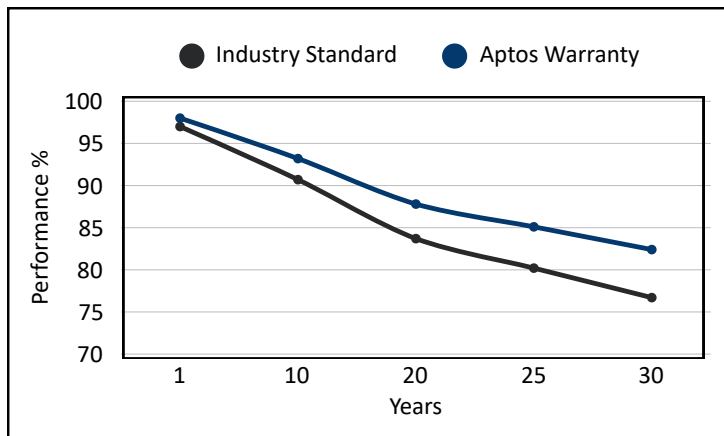
## DNA-108-MF10-410W-USAPTOS2

### 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.

### Linear Performance Warranty

Industry Leading 30 Years Product and Performance Warranty



### 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

#### Bankable Investment

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



Designed and Engineered In Silicon Valley



### Aesthetics

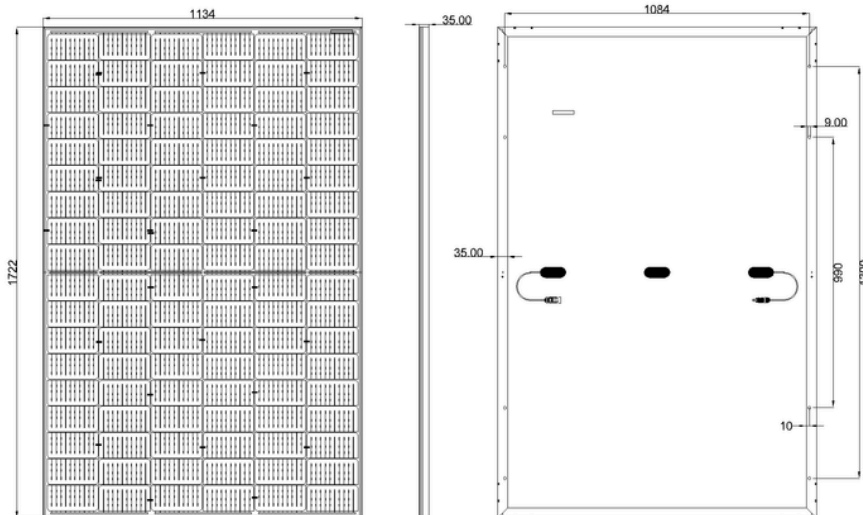
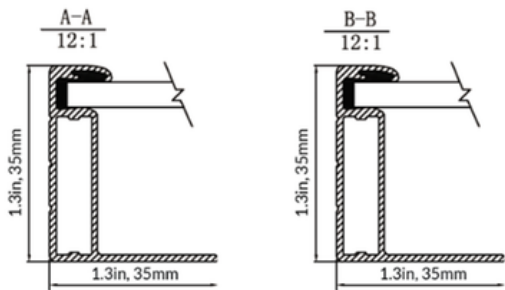
All black design with advanced split cell technology features 10 ultra-thin busbars that allow for less resistance and greater energy harvest.

### 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.

### Certifications





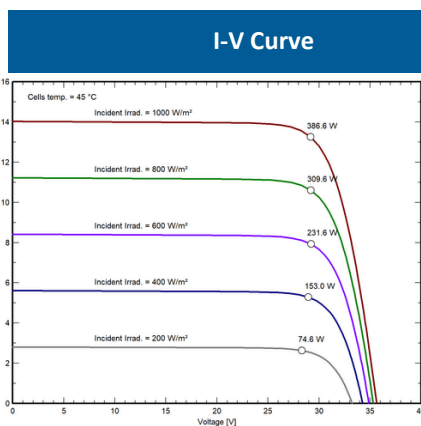
Mechanical Properties	
Cell Type	SE-PERC
Glass	3.2mm(0.12in), anti-reflection coating, high transmission, low iron, tempered glass
Frame	Anodized Aluminum Alloy
Junction Box	IP68
Dimensions	67.7 X 44.6 X 1.3 in, 1722 X 1134 X 35 mm
Weight	48.5lbs, 21.5kg
Output Cable	4mm <sup>2</sup> (EU)12AWG
Cable Length	47.2 in
Encapsulant	POE
Connector Type	Staubli EVO2

Electrical Specifications	DNA-108-MF10 -400W-USAptos2		DNA-108-MF10 -405W-USAptos2		DNA-108-MF10 -410W-USAptos2	
	STC	NOCT	STC	NOCT	STC	NOCT
Rated Output P <sub>mpp</sub> (W)	400W	299W	405W	303W	410W	307W
Open Circuit Voltage V <sub>OC</sub> (V)	37.18	35.10	37.33	35.19	37.68	35.27
Short Circuit Current I <sub>SC</sub> (A)	13.39	11.99	13.44	12.11	13.59	12.23
Rated Voltage V <sub>mpp</sub> (V)	31.42	28.78	31.55	28.85	31.84	28.92
Rated Current I <sub>max</sub> (A)	12.74	10.40	12.84	10.50	12.88	10.61
Module Efficiency	20.47%		20.74%		21.00%	

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

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)	1503.5
Modules per 40ft. Container	806

Temperature Coefficients	
Temperature Coefficients P <sub>mpp</sub>	-0.33%/°C
Temperature Coefficients I <sub>SC</sub>	+0.06%/°C
Temperature Coefficients V <sub>OC</sub>	-0.26%/°C
Nominal Operating Cell Temperature (NOCT)	45°C



Domestic Content : Rooftop		
	MLPE	String (Fixed)
Junction Box		
Encapsulant	7	8.8
Backsheet / Backglass		

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



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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.