



DNA™ 108-Monofacial

USAptos2
Assembled in USA

Solar for Innovators



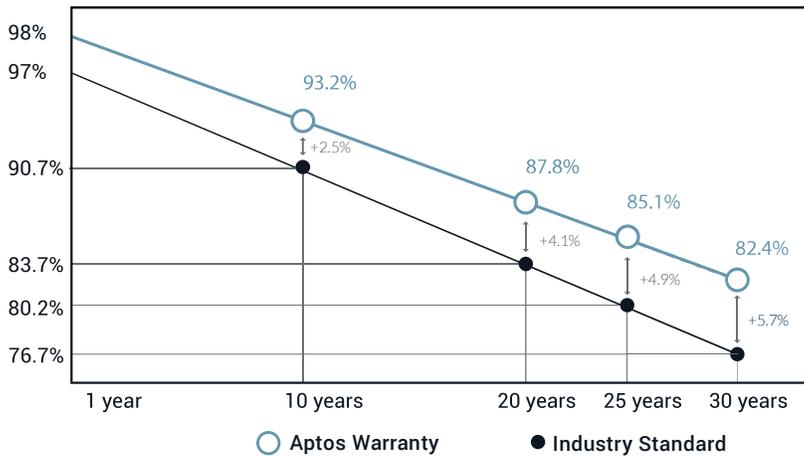
Industry Leading 30 Years
Product and Performance Warranty

400W | 405W | 410W

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



Designed & Engineered In
Silicon Valley

Key Features



Advanced Technology

Patented DNATM 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.



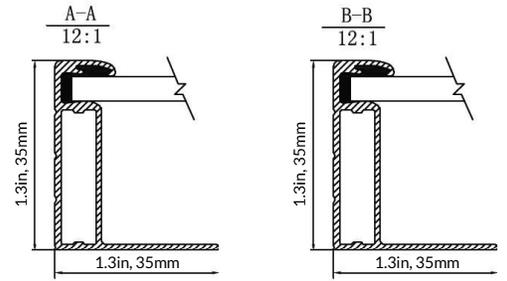
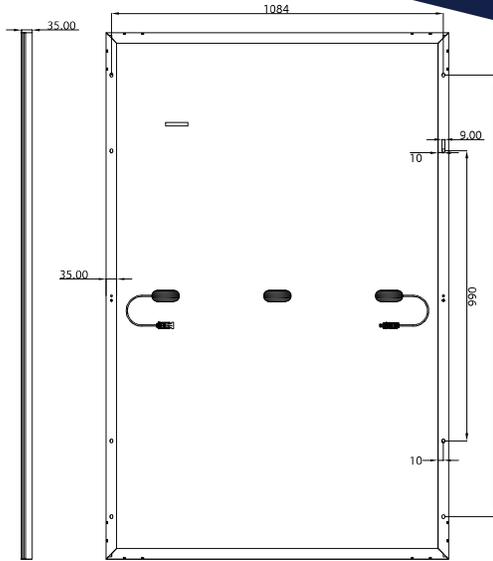
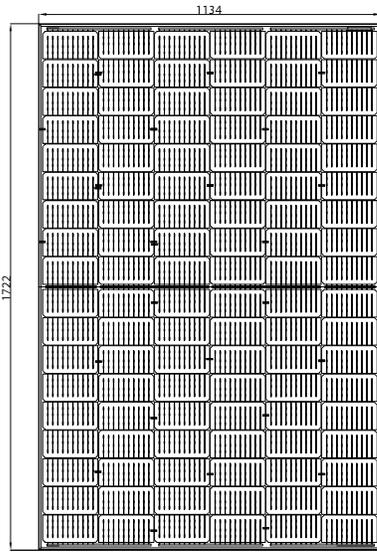
Bankable Investment

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.



Domestic Content : Rooftop

	MLPE	String (Fixed)
Junction Box		
Encapsulant	7	8.8
Backsheet/Backglass		

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_{mpp} (W)	400W	299W	405W	303W	410W	307W
Open Circuit Voltage V_{OC} (V)	37.18	35.10	37.33	35.19	37.68	35.27
Short Circuit Current I_{SC} (A)	13.39	11.99	13.44	12.11	13.59	12.23
Rated Voltage V_{mpp} (V)	31.42	28.78	31.55	28.85	31.84	28.92
Rated Current I_{max} (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/m², 25°C, measurement uncertainty ±3%
NOCT for front-face of panel: 800W/m², 45°C, Wind speed 1 m/s

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	48.5lbs. (21.5kg)	
Output Cable	4mm ² (EU)12AWG, 39.37in. (1200mm)	
Cable Length	47.2 in	
Encapsulant	POE	
Connector Type	Staubli EVO2	

Temperature Coefficients

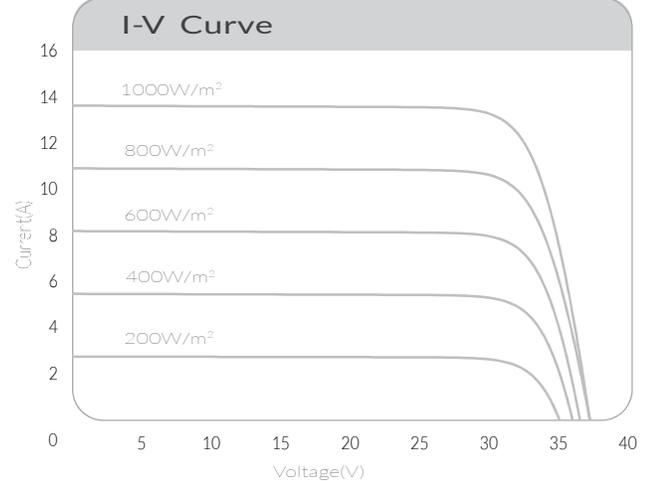
Temperature Coefficients P_{mpp}	-0.33%/°C
Temperature Coefficients I_{sc}	+0.06%/°C
Temperature Coefficients V_{OC}	-0.26%/°C
Nominal Operating Cell Temperature (NOCT)	45°C

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

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



Certifications

