



DNATM 108-Monofacial

USAptos1a
Assembled in USA

Solar for Innovators



DNA-108-MF10-410W-USAptos1a

Residential | Commercial

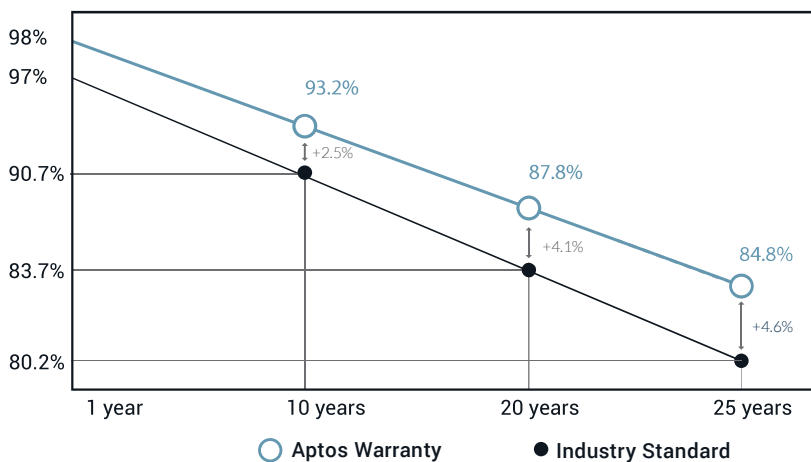
Our DNA Split Cell Series uses advanced selective emitter PERC technology with thin film layers to improve heat tolerance, maximize energy harvest, minimize resistive loss, and use 5% more of the available active area for optimal power performance.

Industry Leading 30 Years Product and Performance Warranty

400W | 410W | 420W



Linear Performance Warranty



Key Features

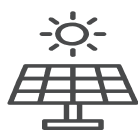


Advanced Technology

Patented DNATM technology boosts power performance & module efficiency.



Designed & Engineered In
Silicon Valley



Better Weak Illumination Response

More Power Output in Weak Light Condition, Such as Haze, Cloudy and Early Morning



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

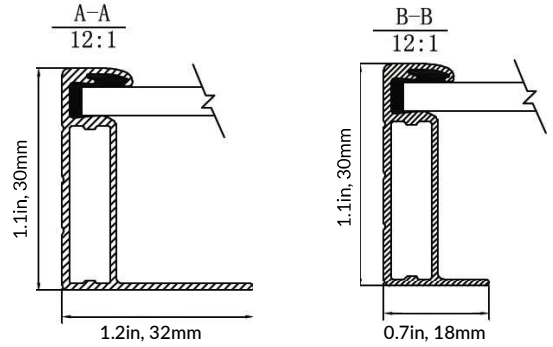
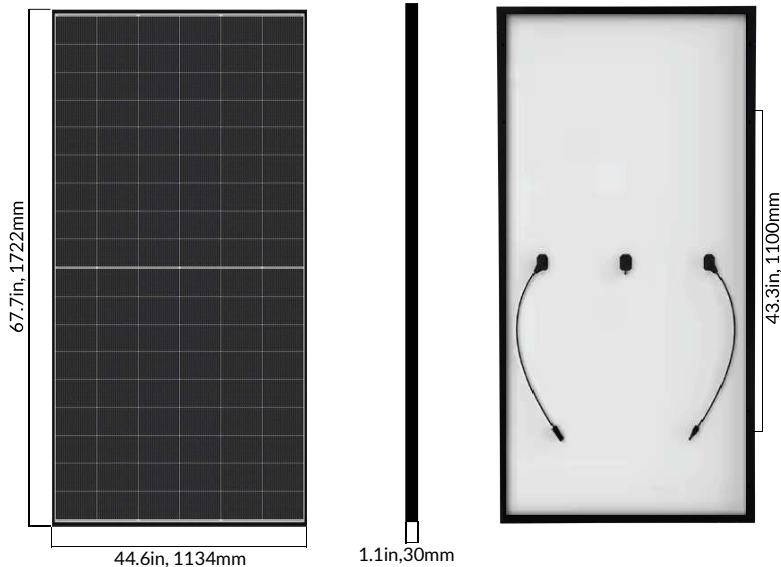
Comprehensive warranty that covers both **30-year product** and **30-year power** performance.



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



Domestic Content	
Rooftop (MPLE)	
Junction Box	0.8

Domestic Content	
Rooftop (String) (Fixed)	
Junction Box	1.0

Electrical Specifications

	DNA-108-MF10-400W-US Aptos1a		DNA-108-MF10-410W-US Aptos1a		DNA-108-MF10-420W-US Aptos1a	
	STC	NOCT	STC	NOCT	STC	NOCT
Rated Output P_{mpp} (W)	400W	299W	410W	306W	420W	314W
Open Circuit Voltage V_{oc} (V)	37.10	34.70	37.50	35.00	37.90	35.40
Short Circuit Current I_{sc} (A)	13.70	11.06	13.84	11.19	14.02	11.32
Rated Voltage V_{mmp} (V)	30.90	28.70	31.30	29.10	31.70	29.40
Rated Current I_{max} (A)	12.95	10.41	13.10	10.54	13.25	10.66
Module Efficiency	20.48%		20.99%		21.50%	

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

Temperature Coefficients

Temperature Coefficients P_{mmp}	-0.35%/°C
Temperature Coefficients I_{sc}	+0.05%/°C
Temperature Coefficients V_{oc}	-0.29%/°C
Nominal Operating Cell Temperature (NOCT)	44°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 / 2400 Pa Wind Load
Safety Class	Class 2

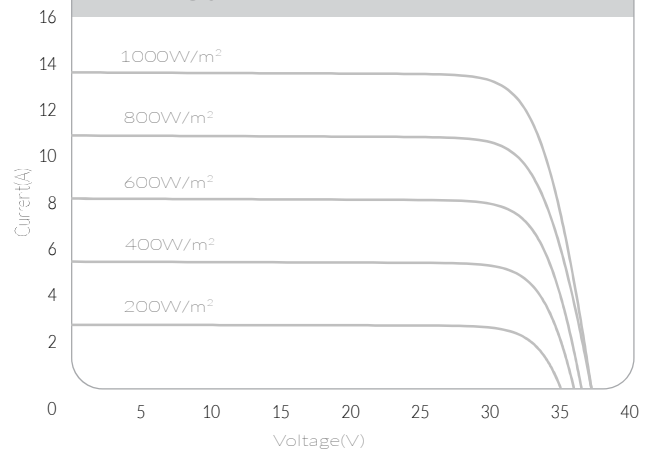
Packaging Configuration

Number of Modules per Pallet	36
Number of Pallets per 40ft. Container	26
Pallet Dimensions	68.89 X 44.48 X 50in, 1750 X 1130 X 1270 mm
Pallet Weight (lbs)	1627.01
Modules per 40ft. Container	936

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 1.1 in, 1722 X 1134 X 30 mm
Weight	45.1lbs. (20.5kg)
Output Cable	4mm ² (EU) 12AWG, 47.24n.(1200mm)
Cable Length	1200mm
Encapsulant	EVA/POE/EPE
Connector Type	MC4 (PV-KST4/6II-UR, PV-KBT4/6II-UR)

I-V Curve



Certifications



8207 Callaghan Rd, Ste 100,
San Antonio, Texas 78230
www.aptossolar.com | sales@aptossolar.com

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

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