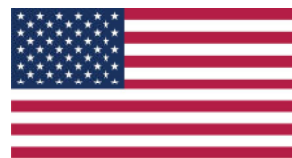




# DNA™ 108-Monofacial

USAptos2  
Assembled in USA

Solar for Innovators



## DNA-108-MF10-410W-USAptos2

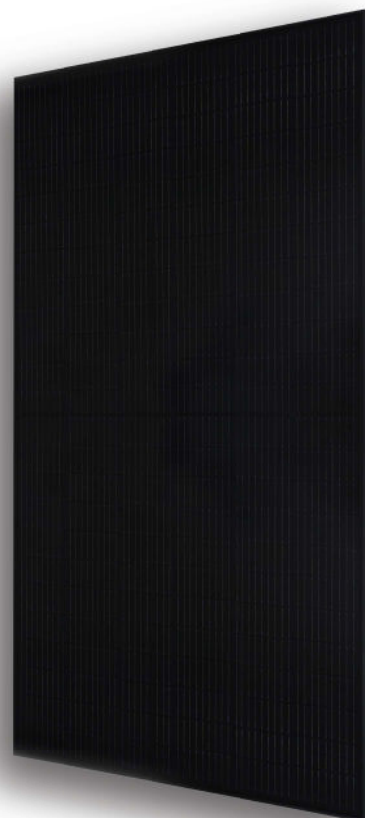
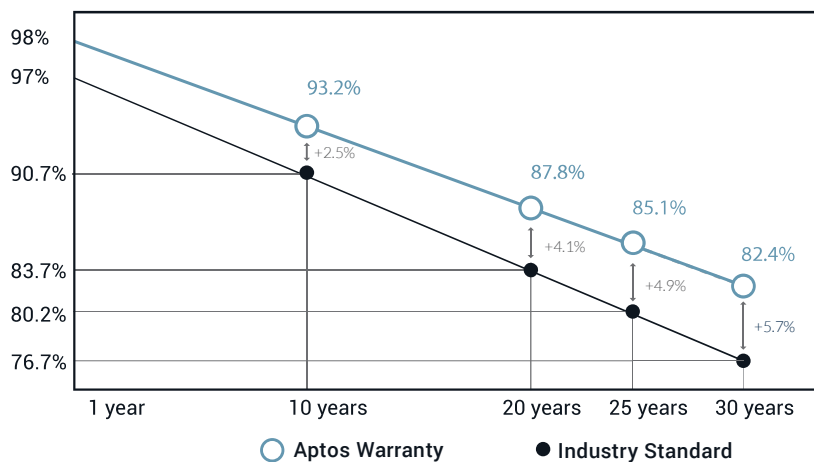
Residential | Commercial

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.

## Industry Leading 30 Years Product and Performance Warranty

400W | 405W | 410W

### 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.



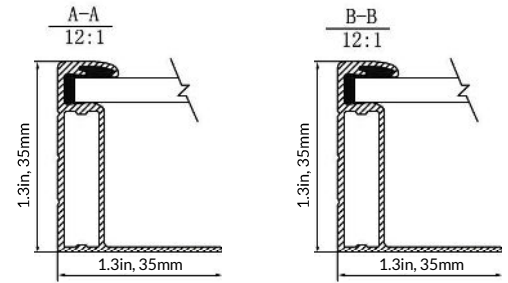
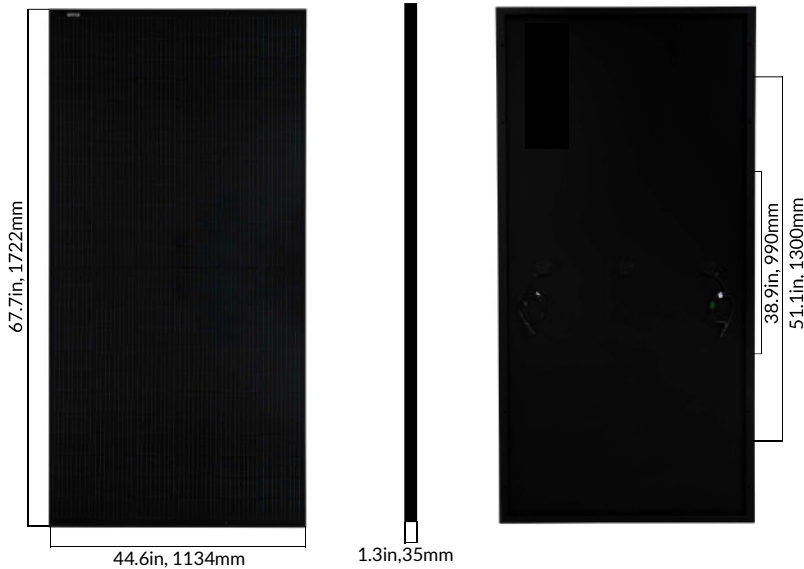
#### Bankable Investment

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<br>-400W-USAptos2 |       | DNA-108-MF10<br>-405W-USAptos2 |       | DNA-108-MF10<br>-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 $V_{mmp}$ (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/m<sup>2</sup>, 25°C, measurement uncertainty  $\pm 3\%$   
NOCT for front-face of panel: 800 W/m<sup>2</sup>, 45°C, Wind speed 1 m/s

## Temperature Coefficients

|                                           |           |
|-------------------------------------------|-----------|
| Temperature Coefficients $P_{mmp}$        | -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                                |

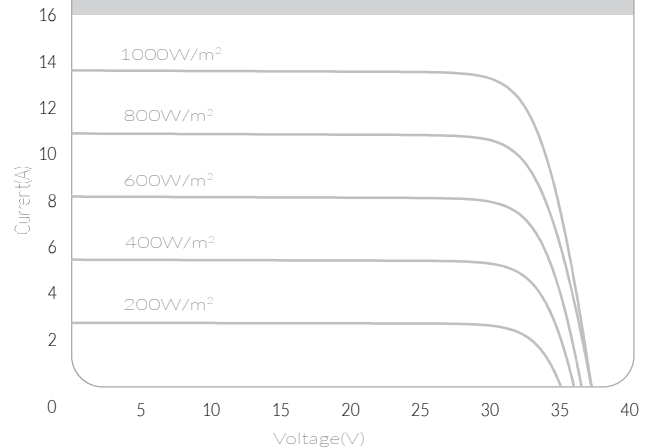
## Packaging Configuration

|                                       |                                                 |
|---------------------------------------|-------------------------------------------------|
| 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                                             |

## 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 <sup>2</sup> (EU)12AWG,39.37in.(1200mm)                                 |
| Cable Length   | 47.2 in                                                                     |
| Encapsulant    | POE                                                                         |
| Connector Type | Staubli EVO2                                                                |

## I-V Curve



## Certifications

