

Residential | Commercial

## Designed & Engineered in Silicon Valley

### 440W | 435W | 430W

Our DNA™ Split Cell Series impressively combines advanced solar technologies to maximize performance. Our patented Dual Nano Absorber (DNA™) Technology allows the panel to operate at high-efficiencies in extreme temperatures. Contact our sales team today to learn more about our line of high-efficiency solar panels.



Patented DNA™ technology boosts power performance & module efficiency



Advanced split cell technology with 9 ultra-thin busbars allows for less resistance and more photon capture



Ideal solution for applications affected by shading



All-black design for pristine aesthetics  
No excessive silver bussing or ribbons



Robust product design is resilient in extreme weather. Up to 5400 Pa snow load and 210 mph wind speeds



**30 Year  
Warranty**

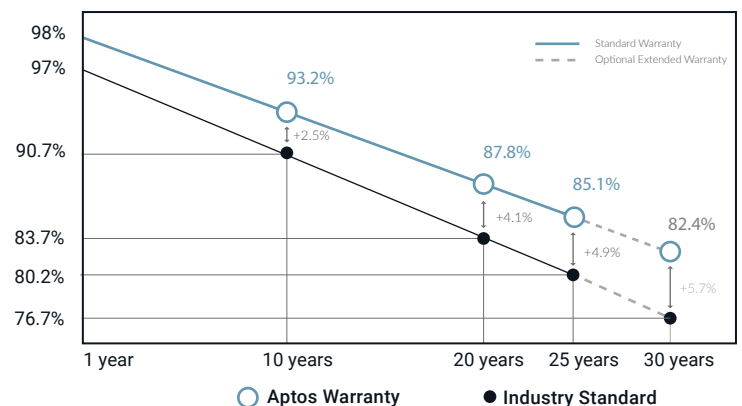
**3X IEC  
Standards**

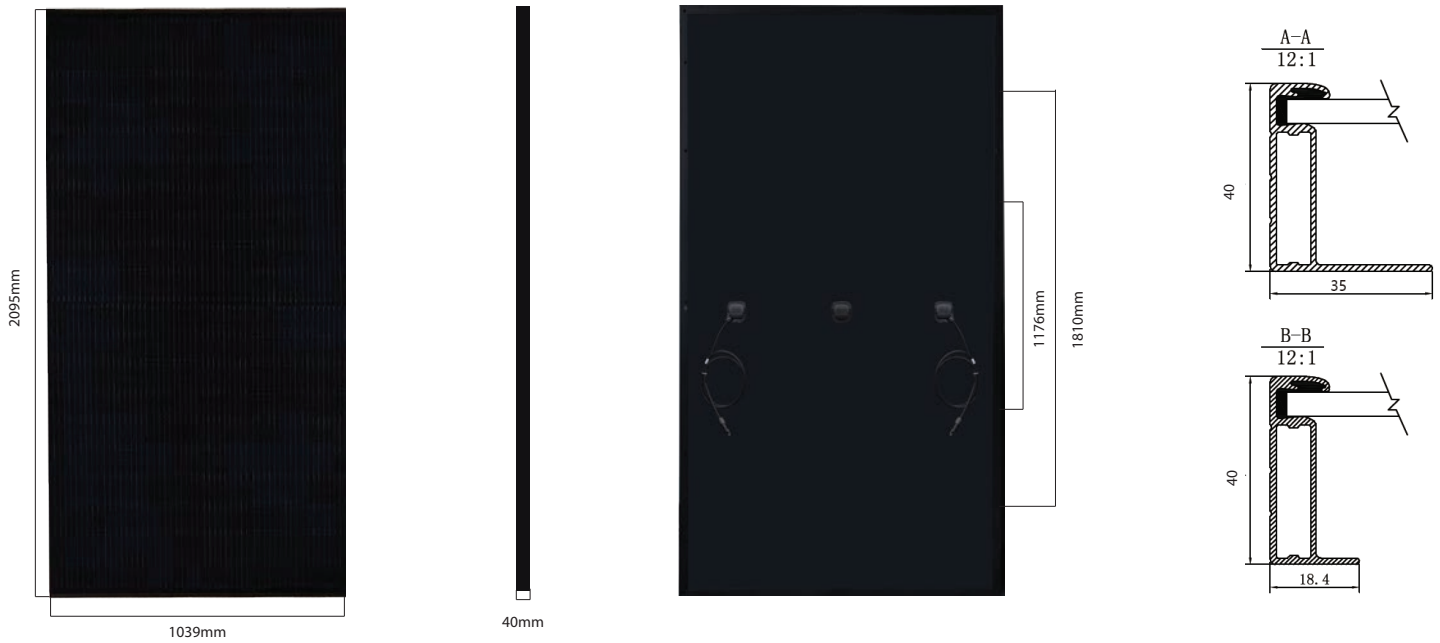
**RETC Top  
Performer**

intertek



### Linear Performance Warranty





**Electrical Specifications**

|                                    | DNA-144-MF26-440W | DNA-144-MF26-435W | DNA-144-MF26-430W |
|------------------------------------|-------------------|-------------------|-------------------|
| STCrated Output $P_{mpp}$ (W)      | 440W              | 435W              | 430W              |
| Module Efficiency                  | 20.21%            | 19.98%            | 19.76%            |
| Open Circuit Voltage $V_{voc}$ (V) | 49.9              | 49.7              | 49.5              |
| Short Circiut Current $I_{sc}$ (A) | 11.33             | 11.26             | 11.19             |
| Rated Voltage $V_{mmp}$ (V)        | 41.0              | 40.8              | 40.6              |
| Rated Voltage $I_{mmp}$ (A)        | 10.74             | 10.67             | 10.60             |

Standard Test Conditions for front-face of panel: 1000 W/m<sup>2</sup>, 25°C, measurement uncertainty  $\leq 3\%$

**Mechanical Properties**

|              |   |
|--------------|---|
| Cell Type    | Monocrystalline   |
| Glass        | 3.2mm, anti-reflection coating, high transmission, low iron, tempered glass |
| Frame        | Anodized Aluminum Alloy   |
| Junction Box | IP68  |
| Dimensions   | 2095 X 1039 X 40mm  |
| Output Cable | 4mm <sup>2</sup> (EU)12AWG,39.37in.(1200mm)                                 |
| Weight       | 53.13lbs.(24.1kg)   |
| Cable Length | 1200mm  |
| Encapsulant  | POE   |

**Temperature Coefficients**

|  |           |
|--|-----------|
| Temperature Coefficients $P_{mmp}$       | -0.36%    |
| Temperature Coefficients $I_{sc}$        | +0.05%/°C |
| Temperature Coefficients $V_{oc}$        | -0.29%/°C |
| Normal Operating Cell Temperature (NOCT) | 44°C      |

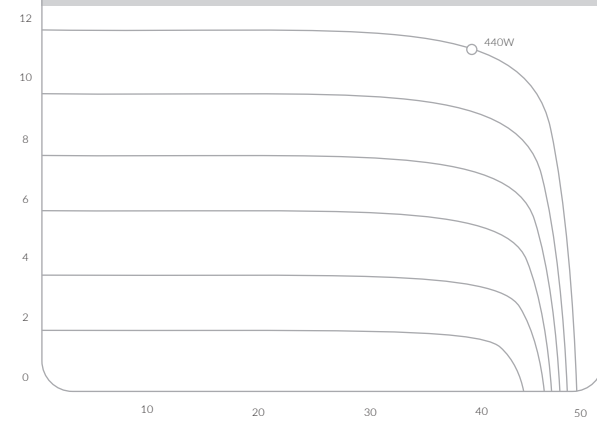
**Test Operating Conditions**

|                                     |  |
|-------------------------------------|--|
| Maximum Series Fuse                 | 20A                                    |
| Maximum System Voltage              | 1,000 VDC (UL&IEC)                     |
| Maximum Load Capacity (Per UL 1703) | 5400 PA Snow Load / 210mph Wind Rating |
| Fire Performance Class              | Class C/Type 1                         |

**Packaging Configuration**

|                                       |                    |
|---------------------------------------|--------------------|
| Number of Modules per Pallet          | 27                 |
| Number of Pallets per 40ft. Container | 22                 |
| Pallet Dimensions                     | 2110 X 1120 X 2365 |
| Pallet Weight (kg)                    | 680                |
| Container Weight (kg)                 | 14960              |

**I-V Curve**



**Certifications**

