



## Industry Leading 30 Years Product and Performance Warranty

### DNA-120-BF10-460W

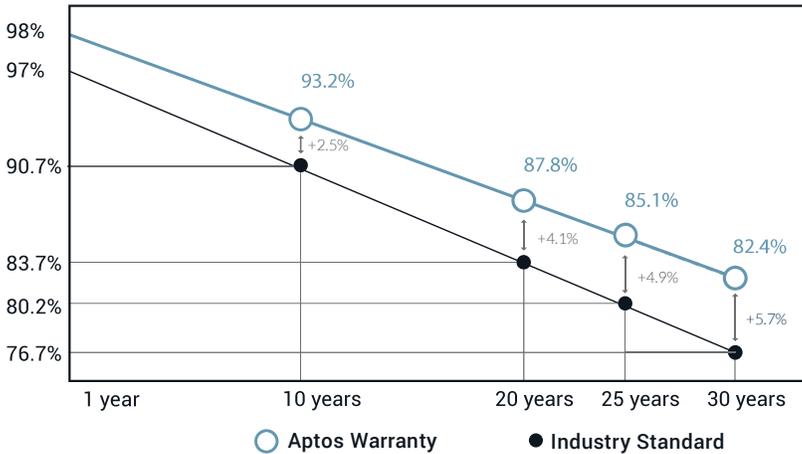
Residential | Commercial

445W | 450W | 455W | 460W

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 DNA™ 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

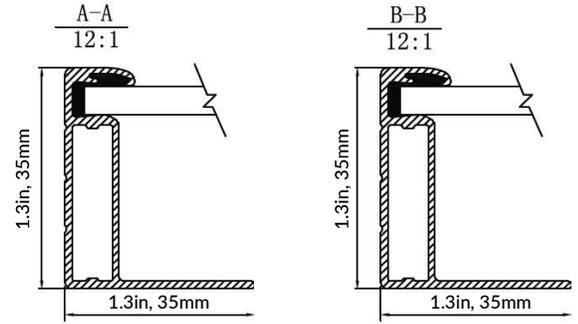
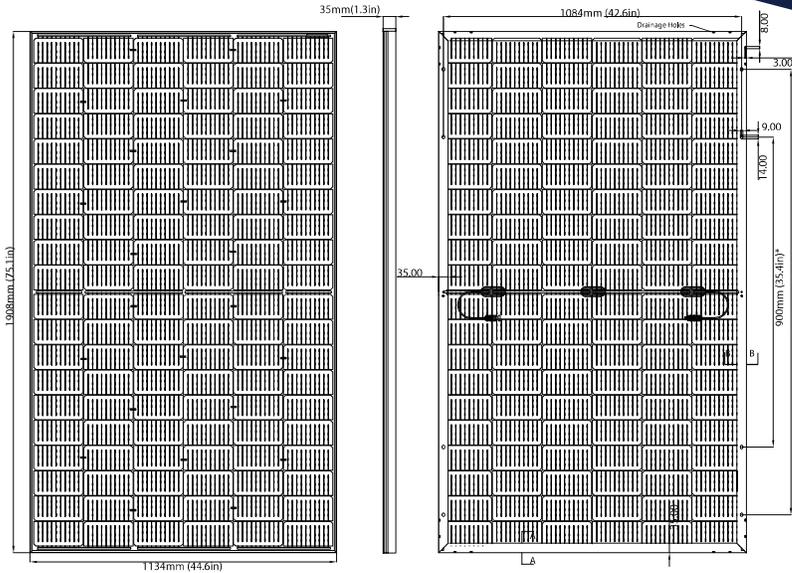
Comprehensive warranty that covers both **30-year product** and **30-year power** performance.



#### Aesthetics

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

# DNA™ 120 Bifacial

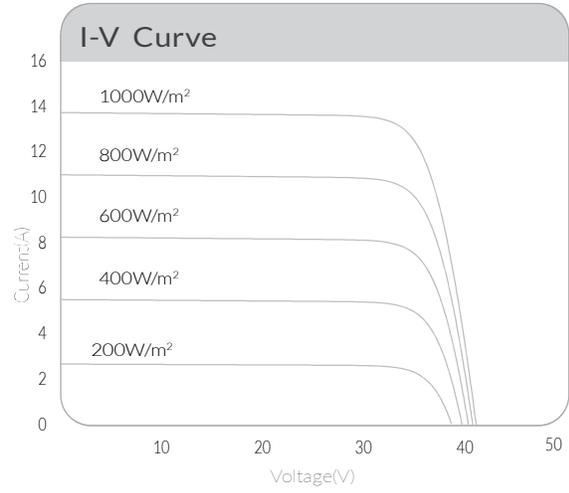


Electrical Specifications	DNA-120-BF10-445W		DNA-120-BF10-450W		DNA-120-BF10-455W		DNA-120-BF10-460W	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
STC Rated Output $P_{mpp}$ (W)	445W	333W	450W	337W	455W	341W	460W	344W
Open Circuit Voltage $V_{OC}$ (V)	41.20	39.32	41.30	39.41	41.50	39.50	41.60	38.92
Short Circuit Current $I_{SC}$ (A)	13.79	11.90	13.86	12.01	13.92	12.12	14.01	12.43
Rated Voltage $V_{mp}$ (V)	34.00	32.25	34.20	32.32	34.30	32.39	34.43	32.44
Rated Voltage $I_{mp}$ (A)	13.11	10.33	13.20	10.42	13.27	10.51	13.38	10.60
Module Efficiency	20.57%		20.79%		21.03%		21.26%	

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

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	75.1 X 44.6 X 1.3 in, 1908 X 1134 X 35 mm
Weight	51 lbs, 23.13Kg
Output Cable	4mm <sup>2</sup> (EU)12AWG
Cable Length	47.2in, 1200mm
Connector Type	Staubli EVO2

Bifacial Output-Rearside Power Gain				
5%-Maximum Power (Pmax)	467W	473W	478W	483W
5%-Module Efficiency STC(%)	21.60%	21.84%	22.08%	22.32%
15%-Maximum Power (Pmax)	512W	518W	523W	529W
15%-Module Efficiency STC(%)	23.65%	23.92%	24.18%	24.45%
25%-Maximum Power (Pmax)	556W	563W	569W	575W
25%-Module Efficiency STC(%)	25.71%	26.00%	26.29%	26.58%



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

Temperature Coefficients	
Temperature Coefficients $P_{mpp}$	-0.35%/°C
Temperature Coefficients $I_{SC}$	+0.0453%/°C
Temperature Coefficients $V_{OC}$	-0.2738%/°C
Normal Operating Cell Temperature (NOCT)	45°C $\pm$ 2°C

Packaging Configuration	
Modules per Pallet	31
Pallets per 40ft. Container	24
Pallet Dimensions	76.29 X 44.48 X 49.76 in, 1938 X 1130 X 1264 mm
Pallet Weight (lbs)	1581lbs, 717.12 Kg
Modules per 40ft. Container	744

**Certifications**