

DNA™ 120 Bifacial

Solar for Innovators

Residential | Commercial

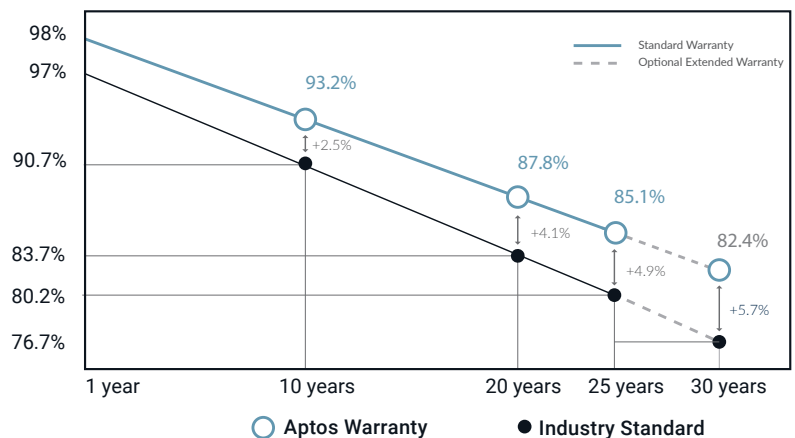


Designed & Engineered in Silicon Valley

440W | 445W | 450W

Our DNA Split Cell Series uses advanced selective emitter PERC technology with thin film layers to improve heat tolerance, increase photon capture, minimize resistive loss, and use 5% more of the available active area for optimal power performance. Our panels exceed IEC standards and come with an industry leading, 30-year warranty.

Linear Performance Warranty



Features



Advanced Technology

Patented DNA™ technology boosts power performance & module efficiency



Maximum Panel Density

Advanced split cell technology with 10 ultra-thin busbars allows for less resistance and more photon capture



Durable Design

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



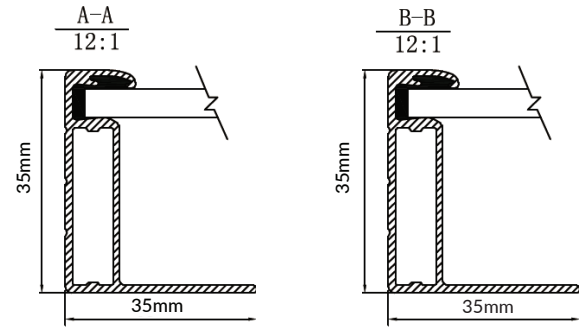
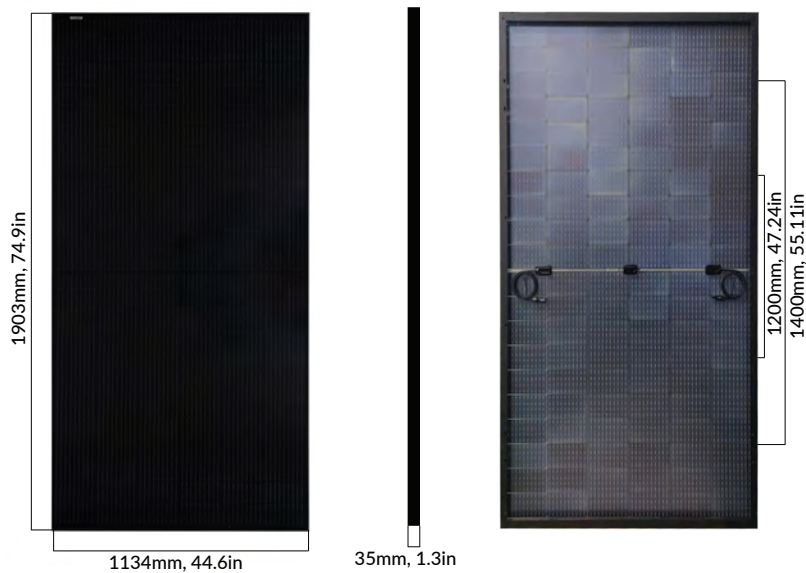
A Safe Investment

Industry leading 30 year warranty



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DNA™ 120 Bifacial



Electrical Specifications

	DNA-120-BF10-440W	DNA-120-BF10-445W	DNA-120-BF10-450W
STC Rated Output P_{mpp} (W)	440W	445W	450W
Module Efficiency	20.39%	20.62%	20.85%
Open Circuit Voltage V_{oc} (V)	41.11	41.18	41.30
Short Circuit Current I_{sc} (A)	13.71	13.79	13.86
Rated Voltage V_{mp} (V)	33.89	34.00	34.15
Rated Voltage I_{mp} (A)	13.01	13.11	13.20

Standard Test Conditions for front-face of panel: 1000 W/m², 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	1903 X 1134 X 35 mm, 74.9 X 44.6 X 1.3 in
Weight	24.2kg
Output Cable	4mm ² (EU)12AWG,39.37in,(1200mm)
Cable Length	1200mm, 47.2in
Connector Type	Staubli EVO2

Bifacial Output-Rearside Power Gain

5%-Maximum Power (Pmax)	462W	467W	473W
5%-Module Efficiency STC(%)	21.41%	21.65%	21.90%
15%-Maximum Power (Pmax)	506W	512W	518W
15%-Module Efficiency STC(%)	23.45%	23.71%	24%
25%-Maximum Power (Pmax)	550W	556W	563W
25%-Module Efficiency STC(%)	25.49%	25.76%	26.07%

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 Class	Class C/Type 1

Temperature Coefficients

Temperature Coefficients P_{mpp}	-0.350%/°C
Temperature Coefficients I_{sc}	+0.048%/°C
Temperature Coefficients V_{oc}	-0.280%/°C
Normal Operating Cell Temperature (NOCT)	45°C±2°C

Packaging Configuration

Modules per Pallet	31
Pallets per 40ft. Container	24
Pallet Dimensions	1938 X 1130 X 1264 mm
Pallet Weight (kg)	766
Modules per 40ft. Container	744

Certifications

