Solar for Innovators

Residential | Commercial | Utility



30 Year Warranty

3X IEC Standards RETC Top Performer



2081 Business Center Drive, Ste 100 Irvine, CA 92612 wwww.aptossolar.com info@aptossolar.com

Designed & Engineered in Silicon Valley 440W I 435W I 430W

Our DNA Split-cell Series impressively combines advanced technologies to maximize performance. Produce up to 30% more energy with the bi-facial rear side generation. Our patented DNA, Dual Nano Absorber, technology allows for panel to harvest energy from all directions and operate exceptionally in high heat temperatures.



Produce up to 30% more energy with rear-side generation



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 reslient in extreme weather. Up to 5400 Pa snow load and 6200 Pa Wind Load







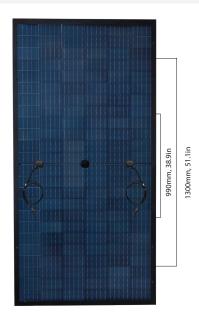


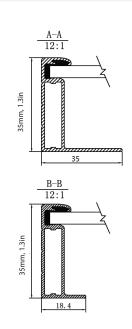


Linear Performance Warranty









Electrical Specifiactions	DNA-144-BF26-440W	DNA-144-BF26-435W	DNA-144-BF26-430W
STCrated Output P _{mpp} (W)	440W	445W	450W
Module Efficiency	20.21%	20.42%	20.65%
Open Circuit Voltage V _{voc} (V)	49.0	49.2	49.4
Short Circiut Current I _{SC} (A)	11.36	11.44	11.52
Rated Voltage V _{mmp} (V)	40.8	41.0	41.2
Rated Voltage I _{mmp} (A)	10.79	10.86	10.93
Standard Test Conditions for front-face of panel: 1000 W.	/m², 25°C, measurement und	certainty <3%	

35mm, 1.3in

Temperature Coefficients		
-0.32%		
+0.05%/°C		
-0.26%/°C		
45°C		

20A
1,500 VDC (UL&IEC)
5400 Pa Snow Load / 6200 Pa Wind Load
Class C/Type 1

Packaging Configuration	
Number of Modules per Pallet	31
Number of Pallets per 40ft. Container	22
Pallet Dimensions	2130 X 1125 X 1171mm, 83.8 X 44.2 X 46.1in
Pallet Weight (kg)	789
Container Weight (kg)	17823

Certifications

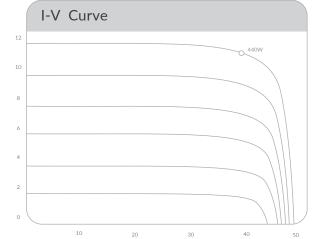








Mechanical Properties				
Cell Type	Monocrystalline			
Glass	3.2mm, anti-reflection coating, high transmission, low iron, tempered glass			
Frame	Anodized Aluminum Alloy			
Junction Box	IP68			
Dimensions	2095 X 1039 X 35mm, 82.4 X 40.9 X 1.3in			
Weight	55.3lbs,24.1kg			
Output Cable	4mm2 (EU)12AWG			
Cable Length	47.24in1200mm			
Encapsulant	POE			
Connector Typ	e Staubli EVO2			



Bifacial Output				
Pmpp(W) at STC	440	445	450	
Bi-facial Boost 5%	462	456	451	
Bi-facial Boost 10%	484	478	473	
Bi-facial Boost 15%	505	500	495	