



540W | 545W | 550W

## DNA-144-BF10-550W-DG

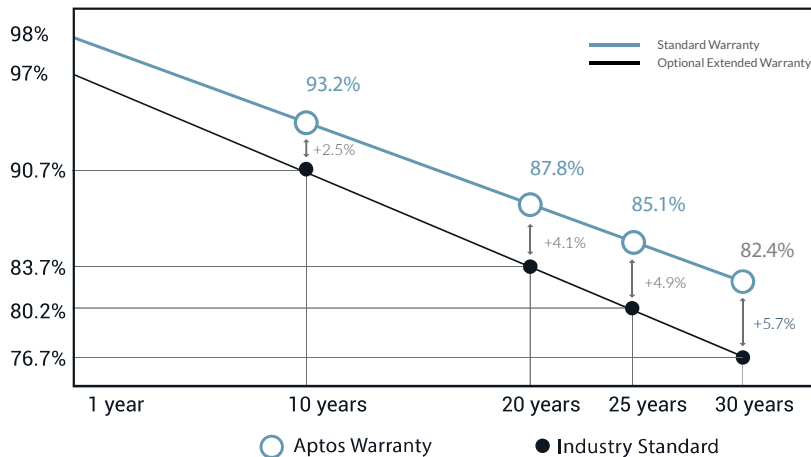
Residential | Commercial

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.



Designed & Engineered In Silicon Valley

### Linear Performance Warranty



### Key Features



#### Advanced Technology

Patented DNA™ technology boosts power performance & module efficiency.



#### Aesthetics

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



#### Durable Design

Robust product design is resilient in extreme weather. Up to 5400 Pa snow load and 4000 Pa wind load



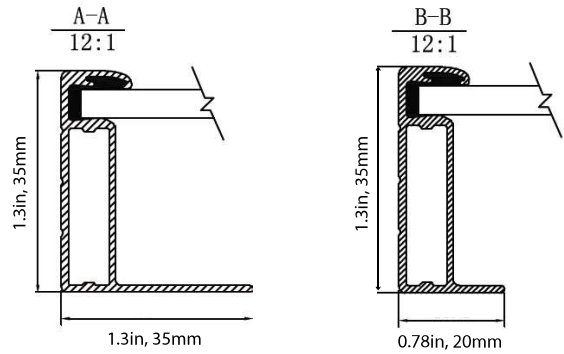
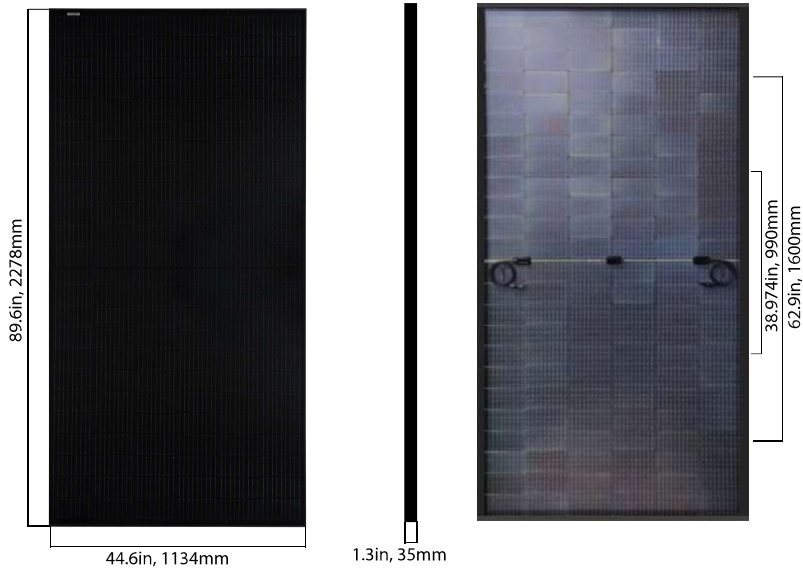
#### Awards

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.



## Electrical Specifications

	DNA-144-BF10-540W-DG	DNA-144-BF10-545W-DG	DNA-144-BF10-550W-DG
STC Rated Output $P_{mpp}$ (W)	540W	545W	550W
Module Efficiency	20.90%	21.09%	21.29%
Open Circuit Voltage $V_{VOC}$ (V)	49.50	49.65	49.80
Short Circuit Current $I_{sc}$ (A)	13.85	13.92	13.99
Rated Voltage $V_{mp}$ (V)	41.65	41.80	41.95
Rated Voltage $I_{mp}$ (A)	12.97	13.04	13.11

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

## Mechanical Properties

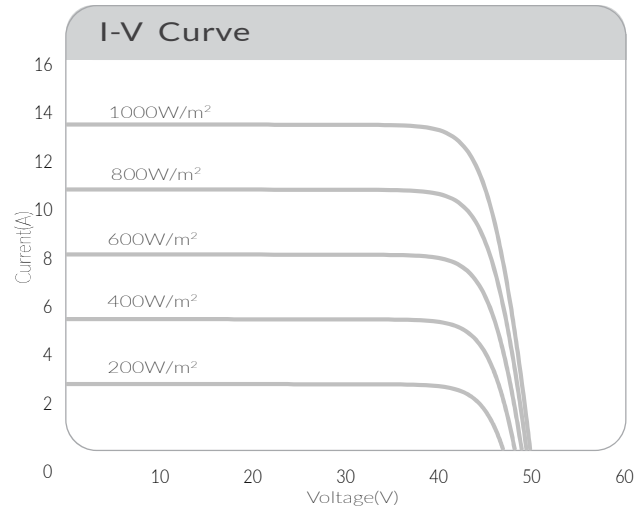
Cell Type	SE-PERC (Selective Emitter PERC)
Glass	AR Coating, High Transmission, Low Iron, Semi-Tempered Dual Glass
Frame	Anodized Aluminum Alloy
Junction Box	IP68
Dimensions	89.68 X 44.6 X 1.3 in, 2278 X 1134 X 35 mm
Weight	71.20 lbs
Output Cable	4mm <sup>2</sup> (EU)12AWG,(1200mm)
Cable Length	47.2in, 1200mm
Connector Type	Staubli EVO2

## Bifacial Output-Rearside Power Gain

5%-Maximum Power (Pmax)	567W	572W	578W
5%-Module Efficiency STC(%)	21.94%	22.14%	22.35%
15%-Maximum Power (Pmax)	621W	627W	633W
15%-Module Efficiency STC(%)	24.03%	24.27%	24.50%
25%-Maximum Power (Pmax)	675W	682W	688W
25%-Module Efficiency STC(%)	26.12%	26.40%	26.63%

## 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 / 4000 Pa Wind Load
Fire Performance Class	Class C/Type 29



## Temperature Coefficients

Temperature Coefficients $P_{mpp}$	-0.335%/°C
Temperature Coefficients $I_{sc}$	+0.036%/°C
Temperature Coefficients $V_{oc}$	-0.277%/°C
Normal Operating Cell Temperature (NOCT)	45°C±2°C

## Packaging Configuration

Modules per Pallet	31
Pallets per 40ft. Container	20
Pallet Dimensions	91.06 X 44.48 X 49.76 in
Pallet Weight (lbs)	2208
Modules per 40ft. Container	620

## Certifications