

## Electrical Specifications

	DNA-144-BF26-440W	DNA-144-BF26-435W	DNA-144-BF26-430W
STC Rated Output $P_{mpp}$ (W)	440W	435W	430W
Module Efficiency	20.21%	19.98%	19.76%
Open Circuit Voltage $V_{oc}$ (V)	49.9	49.7	49.5
Short Circuit 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  $\leq 3\%$

## 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

## Certifications



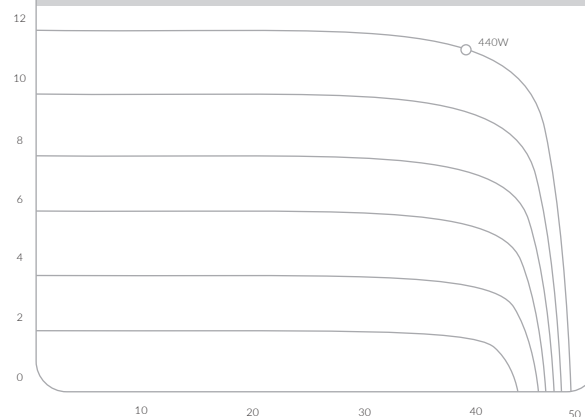
UL61730-1,  
UL61730-2



## 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

## I-V Curve



## Bifacial Output

$P_{mpp}$ (W) at STC	440	435	430
Bi-facial Boost 5%	462	456	451
Bi-facial Boost 10%	484	478	473
Bi-facial Boost 15%	505	500	495

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Aptos Solar Technology reserves the right to make specification changes without notice

