



Maximize Energy Production High-efficiency, half-cut cell panel



Advanced technology boosts power generation



Designed & engineered for extreme weather 5400 Pa snow load 5400 Pa (210 mph) wind load

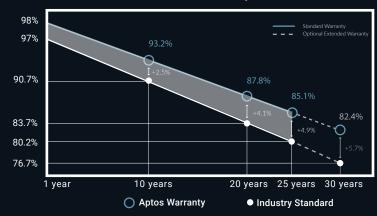


Ideal solution for applications affected by shading



25 year extended product warranty* 30 year extended peak power warranty*

Our DNA Half-cut Cell Series impressively combines advanced technologies to maximize performance. Our patented DNA, Dual Nano Absorber, technology allows for the panel to operate at high efficiencies in high temperature environments. Linear Peak Power Warranty



Factory Certifications



Product Certifications





ELECTRICAL SPECIFICATIONS (+3%/-0%)

	DNA-144-MF23-400W	DNA-144-MF23-405W	DNA-144-MF23-410W	
STCrated output $P_{mpp}(W)$	400	405	410	
Module Efficiency	19.76%	20.00%	20.26%	
Open Circuit Voltage $V_{voc}(V)$	48.55	48.73	48.91	
Short Circuit Current $I_{sc}(A)$	10.64	10.71	10.79	
Rated Voltage $V_{mmp}(V)$	40.77	40.95	41.12	
Rated Current Immp(A)	9.81	9.89	9.97	
Standard Test Conditions for front-face of panel:				

Standard Test Conditions for front-face of panel: 1000 W/m², 25 °C, measurement uncertainty <3%

TEMPERATURE COEFFICIENTS

Temperature Coefficients Pmpp	-0.36%/°C
Temperature Coefficients Isc	+0.046%/°C
Temperature Coefficients Voc	-0.306%/°C
Normal Operating Cell Temperature (NOCT)	45°C

TEST OPERATING CONDITIONS

Maximum Series Fuse

Maximum System Voltage

Maximum Load Capacity (Per UL1703)

Fire Performance Class

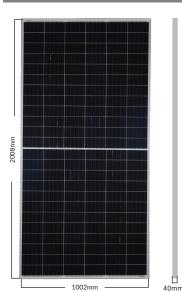
1,500 VDC (UL&IEC)

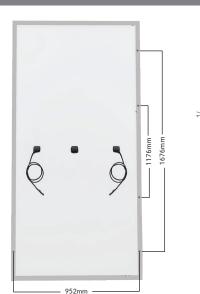
20A

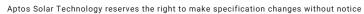
Front Load: 5400 PA Snow load / 113 PSF / 2052 lbs. Rated Load Rear Load: 5400 PA Wind load / 113 PSF / 210 MPH Rated Load

Class C/Type 1

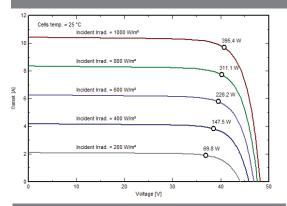
MODULE DIMENSIONS







I-V CURVE



MECHANICAL PROPERTIES

Cell Type	Monocrystalline
Glass	Low Iron, Tempered
Frame	Anodized Aluminum Alloy
Junction Box	IP67
Dimension	2008 x 1002 x 40mm
Output Cable	4mm² (EU)12AWG, 39.37in(1200mm)
Weight	50.7lbs.(23kg)
Cable Length	1200mm

PACKAGING CONFIGURATION

Number of Modules per Pallet		27
Number of Pallets per 40f Container	t HQ	22
Pallet Dimensions (mm)	2050 X 1140 X 1	1140
Pallet weight (kg)		680
Container weight (kg)	14	1960

PRODUCT CERTIFICATIONS



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DNA-144-MF23-XXXW RESIDENTIAL I COMMERCIAL I UTILITY

