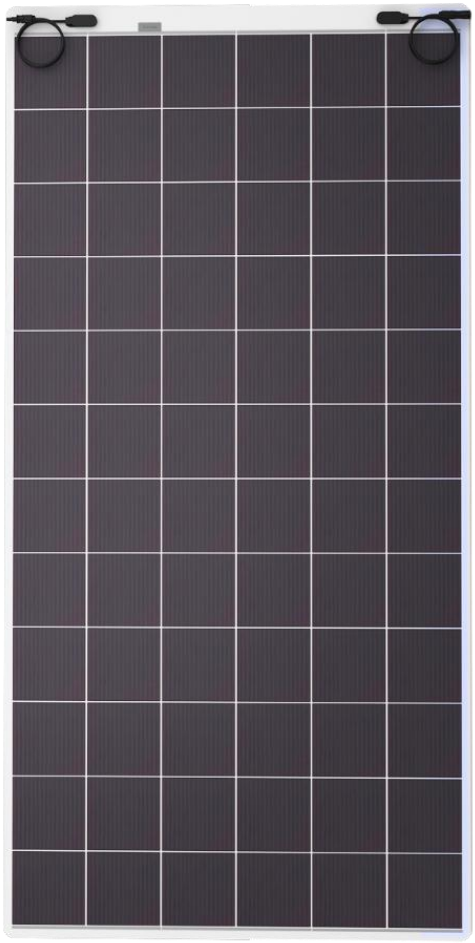
APOLLO AG1206FL
Panda series



Apollo Panda + (320W)
Highly Durable, Ultra Lightweight

Apollo Durable Technology

Apollo pioneers the development and manufacturing of flexible solar cells through proprietary technology, enabling a diverse portfolio of energy market solutions designed to transform any surface under the sun into an energy source.

Apollo Panda + is specifically designed to fit any lightweight structure with load bearing limitations.

↓80% Reduction of total system weight

↓50% Reduction of labor cost

#1 in efficiency per weight and durability

MAIN BENEFITS & KEY FEATURES

Durable and Reliable
Patented cell technology with enhanced micro-cracks tolerant, IP68 rated

Efficient
High energy yield due to 17.5% cell efficiency

Fast Deployment
Easy to transport, load, and install in various methods, with no additional construction and lower labor costs

Class A Fire Rating
Certified to UL-790

PID Free
No extra devices needed to mitigate PID in the PV array

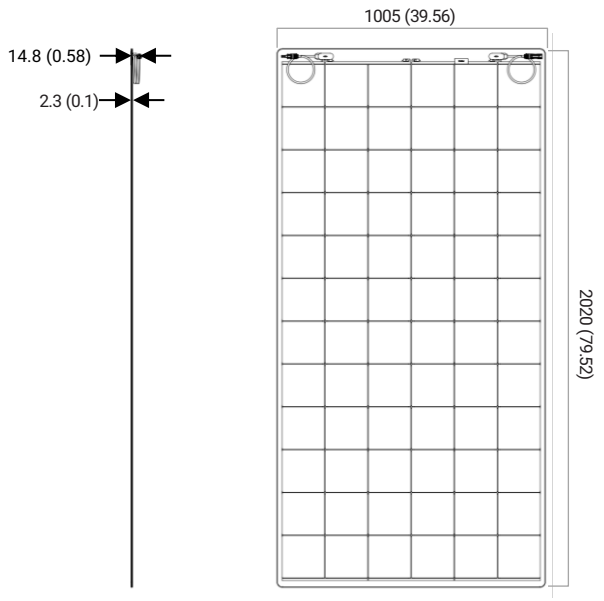
Ultra Lightweight
3.4Kg/sqm (0.69 Psf), fits light structures with load limits

ELECTRICAL SPECIFICATIONS

STC 1,000 W/sqm, (25 ± 2)°C, AM 1.5

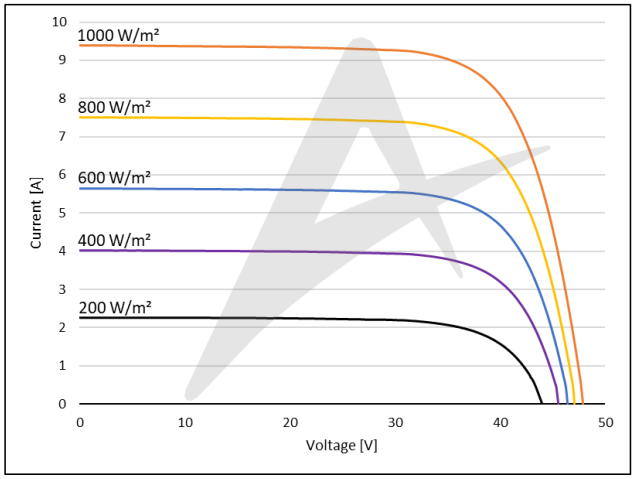
	AG120610003	
Maximum Power (Pmax)	320 ± 5%	W
Maximum Power Voltage (Vmp)	38	V
Maximum Power Current (Imp)	8.3	A
Open Circuit Voltage (Voc)	47.5 ± 5%	V
Short Circuit Current (Isc)	9.4 ± 5%	A
Maximum Series Fuse	15	A
Module $(T_{98})_{max}$	70	°C
	158	°F
Temperature coefficient Isc (α)	0.032	%/°C
Temperature coefficient Voc (β)	-0.248	%/°C
Temperature coefficient Pmax (γ)	-0.363	%/°C
Maximum System Voltage	1000	VDC

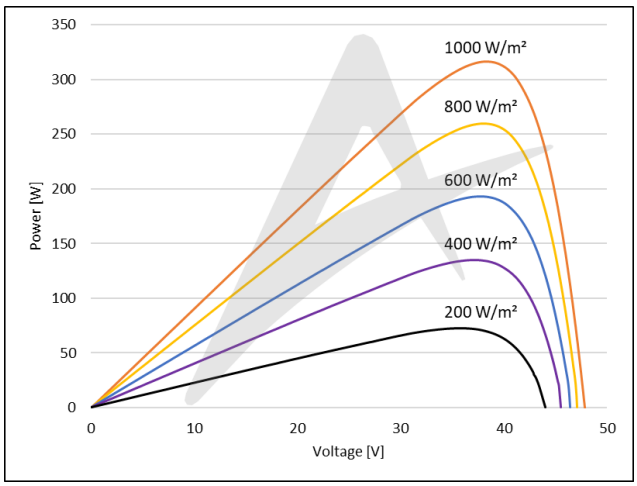
ENGINEERING DRAWINGS mm (In)



MECHANICAL DATA

Cell Type	72 (6x12)	Apollo Cells
Dimensions	2020x1005x2.3 ,JB height- 14.8	mm
	79.5x39.5x0.1 ,JB height- 0.58	In
Panel Weight	6.8 ± 3%	Kg
	15 ± 3%	lb
Weight per Unit Area	3.35	Kg/sqm
	0.69	lb/sq.ft
Junction Box	Front side, IP68 rated	
Connector Type	Original MC4-EVO2	
Output Cables Length	1200	mm
Cross-Section	4	mm²
	(12)	(AWG)
Back Sheet Material	Composite White	
Class (IEC 61730-1)	Class II	
Fire Type (UL 61730)	61	
Max Design load	1,600	Pa





PACKAGING CONFIGURATION

Modules per pallet	66	
Modules per 40' container	1452	
Pallet dimensions LxWxH	2080x1080x1030	mm
	81.9x42.5x40.6	In
Pallet weight	550	Kg
	1179	lb

CERTIFICATIONS AND TESTS

ISO 9001:2015
CE
IEC 61215;2021, IEC 61730;2023, ANSI/UL 61215;2021 ANSI/UL 61730;2017
Module: UL 790 Class A
Module: EN 13501-1 Class E
System: EN 13501-5 Broof (T1) For T1 approved surfaces
System: EN 13501-5 Broof (T2) For all combustible and Non-combustible surfaces
System: EN 13501-5 Broof (T3) For Bitumen surfaces
System: EN 13501-5 Broof (T4) For T4 approved surfaces

GUARANTEED POWER

