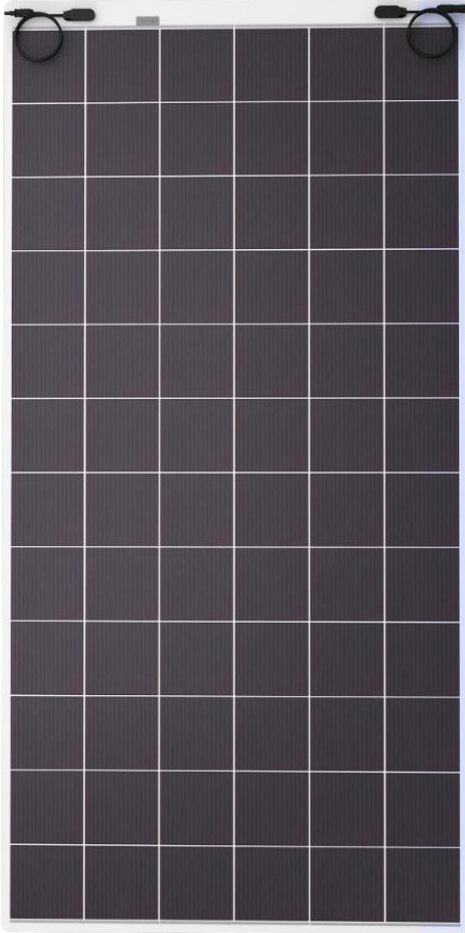




APOLLO AG1206FL

Panda series

SolarPaint
AG1206FL_DS
1000V
R01



Apollo Panda +

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



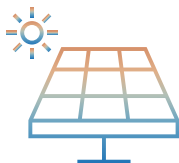
Fast Deployment

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



Aesthetic Design

Designed for smooth, seamless surface integration



PID Free

No extra devices needed to mitigate PID in the PV array



Ultra Lightweight

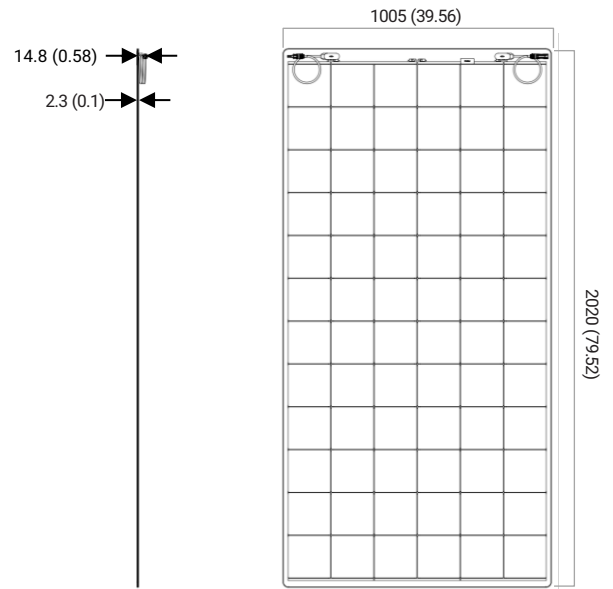
3.4Kg/sqm (0.69 Psf), fits light structures with load limits

ELECTRICAL SPECIFICATIONS

STC 1,000 W/sqm, (25 ± 2)°C, AM 1.5

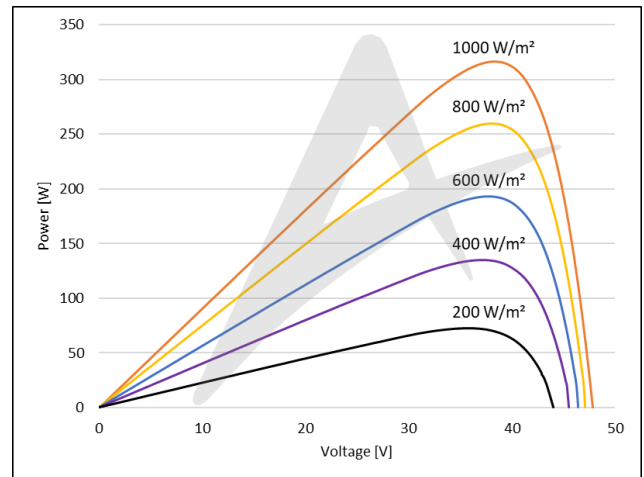
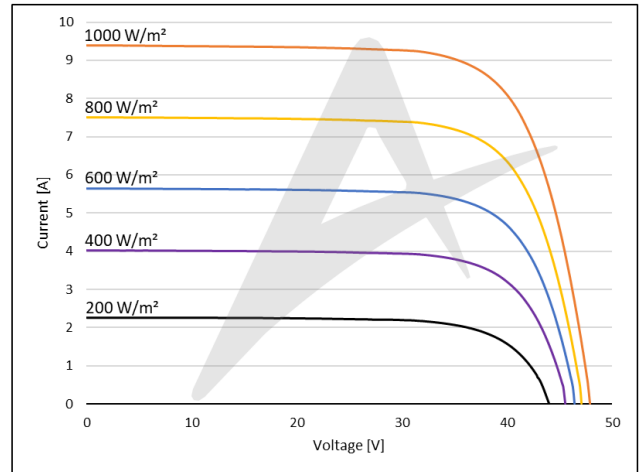
	AG120610003	
Maximum Power (Pmax)	320 ± 5%	W
Maximum Power Voltage (Vmp)	38	V
Maximum Power Current (Imp)	8.3	A
Open Circuit Voltage (Voc)	47.5 ± 5%	V
Short Circuit Current (Isc)	9.4 ± 5%	A
Maximum Series Fuse	15	A
Module (T ₉₈) _{max}	70	°C
	158	°F
Temperature coefficient Isc (α)	0.034	%/°C
Temperature coefficient Voc (β)	-0.252	%/°C
Temperature coefficient Pmax (γ)	-0.352	%/°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
Weight	6.8 ± 3%	Kg
	14.33 ± 3%	lb
Junction Box	Front side, IP68 rated	
Connector Type	Original MC4-EVO2	
Output Cables Length	1200	mm
Cross-Section	4	mm ²
	(12)	(AWG)
Back Sheet Material	Composite White	
Class (IEC 61730-1)	Class II	
Fire Type (UL 61730)	62	
Max Design load	1,600	Pa



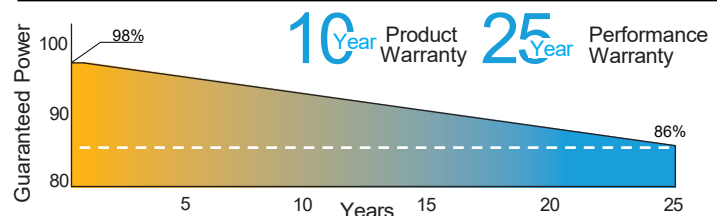
PACKAGING CONFIGURATION

Modules per pallet	60	
Modules per 40' container	1320	
Pallet dimensions LxWxH	2080x1080x1110	mm
	81.8x42.5x43.7	In
Pallet weight	535	Kg
	1179	lb

CERTIFICATIONS AND TESTS

ISO 9001:2015
CE
IEC 61215:2021, IEC 61730:2016, ANSI/UL 61215:2021 ANSI/UL 61730:2017

GUARANTEED POWER

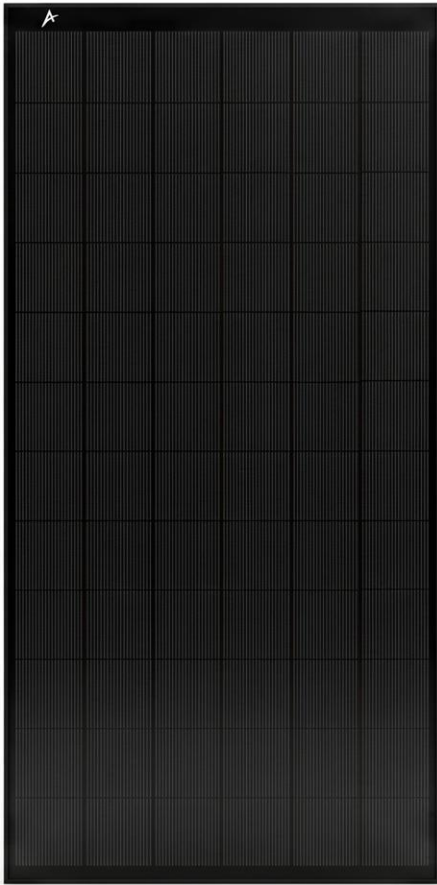




APOLLO AG1206F

Panda series

SolarPaint
AG1206F DS
1000V
R02



Apollo Panda + Frame Design

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 + with a frame is specifically designed to fit lightweight structures with load-bearing limitations, enabling rapid deployment and easy assembly.

↓ **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



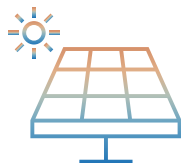
Fast Deployment

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



Aesthetic Design

Designed for smooth, seamless
surface integration



PID Free

No extra devices needed to
mitigate PID in the PV array



Ultra Lightweight

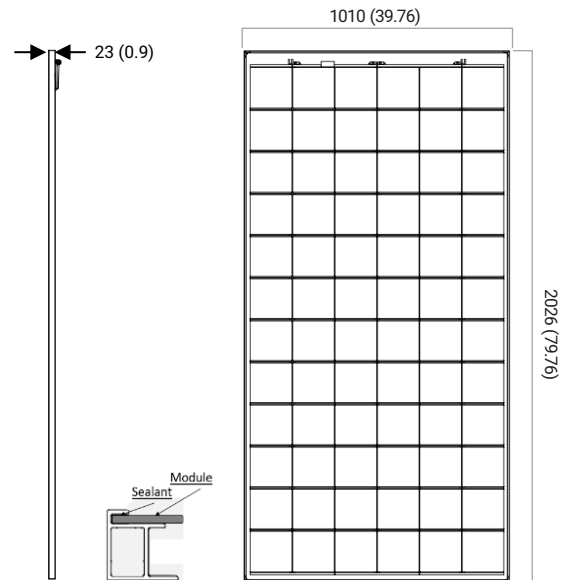
4.7 Kg/sqm (0.96 Psf), with frame, fits light
structures with load limits

ELECTRICAL SPECIFICATIONS

STC 1,000 W/sqm, (25 ± 2)°C, AM 1.5

	AG120610002	
Maximum Power (Pmax)	310 ± 5%	W
Maximum Power Voltage (Vmp)	38	V
Maximum Power Current (Imp)	8.25	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)	0.034	%/°C
Temperature coefficient Voc (β)	-0.252	%/°C
Temperature coefficient Pmax (γ)	-0.352	%/°C
Maximum System Voltage	1000	VDC

ENGINEERING DRAWINGS mm (In)



MECHANICAL DATA

Cell Type	72 (6x12)	Apollo Cells
Dimensions	2026x1010x23	mm
	79.76x39.76x0.9	In
Weight	9.5 ± 5%	Kg
	20.9 ± 5%	lb
Junction Box	Back side, IP68 Rated	
Connector Type	Original MC4-EVO2	
Output Cables Length	1200	mm
Cross-Section	4	mm ²
	(12)	(AWG)
Frame - Aluminum alloy, Black finish	23	mm
Class (IEC 61730-1)	Class II	
Fire Type (UL 61730)	65	
Max Design load	1,600	Pa

PACKAGING CONFIGURATION

Modules per pallet	80	
Modules per 40' container	880	
Pallet dimensions LxWxH	2030x1010x2150	mm
	81.1x40.5x84.7	In
Pallet weight	786	Kg
	1732	lb

CERTIFICATIONS AND TESTS

ISO9001:2015
CE
IEC61215;2021, IEC61730;2016, ANSI/UL61215;2021 ANSI/UL61730;2017

GUARANTEED POWER

