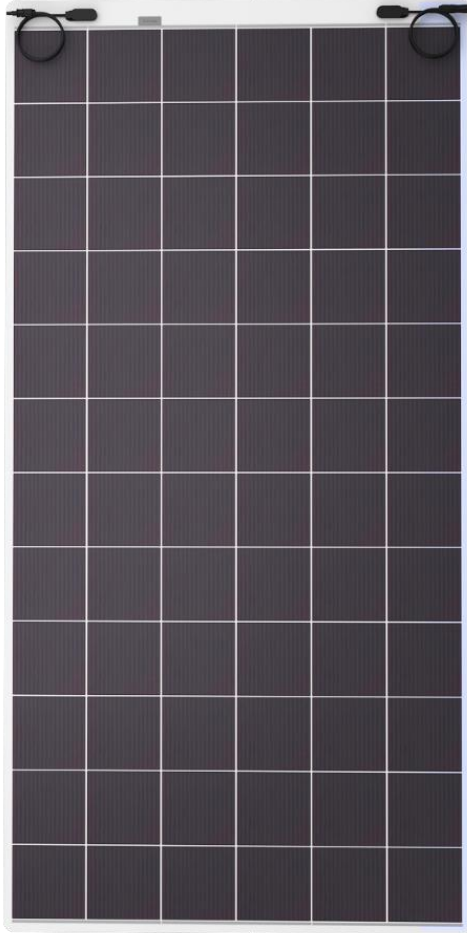




APOLLO AL1206

Panda series

SolarPaint
AL1206 DS
1000V
F13



Apollo Panda

HIGHLY DURABLE, ULTRA LIGHTWEIGHT

Apollo Flexible 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 limits or curved surfaces.

↓ **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



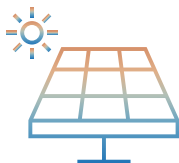
Fast Deployment

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



Aesthetic Design

Customizable color (full black, white or transparent), and mounting design



PID Free

No extra devices needed to mitigate PID in the PV array



Ultra Lightweight

2.9 Kg/sqm (0.59 Psf), fits light structures with load limits

ELECTRICAL SPECIFICATIONS

STC 1,000 W/sqm, (25 ± 2)°C, AM 1.5

	AL120610001	AL120610029	
Maximum Power (Pmax)	300±5%	310±5%	W
Maximum Power Voltage (Vmp)	38	37.6	V
Maximum Power Current (Imp)	7.88	8.25	A
Open Circuit Voltage (Voc)	47.5±5%	47.5 ±5%	V
Short Circuit Current (Isc)	8.6±5%	9.1 ±5%	A
Maximum Series Fuse	15		A
Operating Temperature	(-40) – (+85)		°C
	(-40) – (+185)		°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

MECHANICAL DATA

Cell Type	72 Apollo cells (6X12)
Dimensions (mm)	2020X1005X2.2 ,JB height- 14.8
(In)	(79.5X39.5X0.09 ,JB height- 0.58)
Weight , Kg (lb)	5.8 (12.7) ±3%
Max bending Diameter (mm)	1000 ± 5
(In)	39.37 ± 0.2
Junction Box	Front side, IP68 rated
Connector Type	Original MC4-EVO2
Output Cables	Length - 120cm cross-section - 4mm ² (12AWG)
Backside Material	AL1206100XX-1 PET AL1206100XX-2 Aluminum
Frame	Frameless module
Class (IEC 61730-1:2016)	Class II
Fire class (UL 61730, UL790)	C
Static load certification	2400 Pa

PACKAGING CONFIGURATION

Modules per shipping box	6
Modules per pallet	60
Modules per 40' container	1320
Pallet dimensions LxWxH (mm)	2080X1080X1110
(In)	81.8X42.5X43.7
Pallet weight , Kg (lb)	498 (1097)

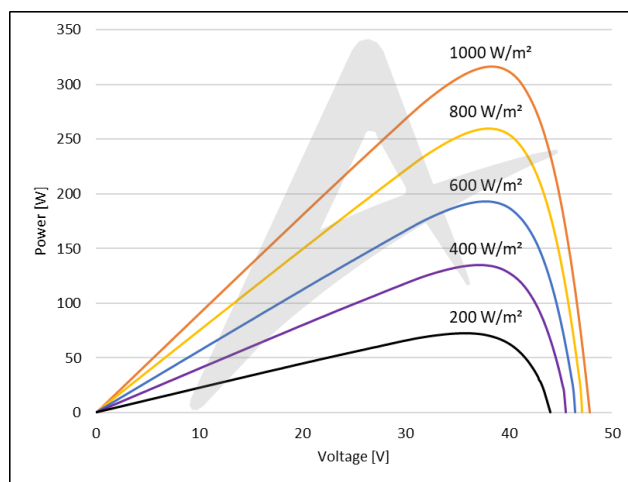
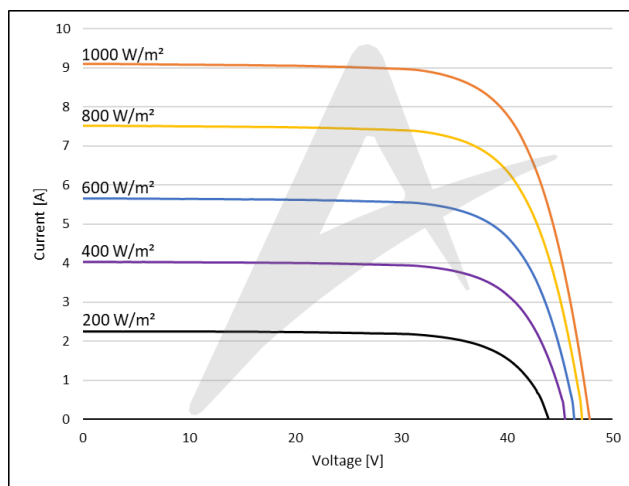
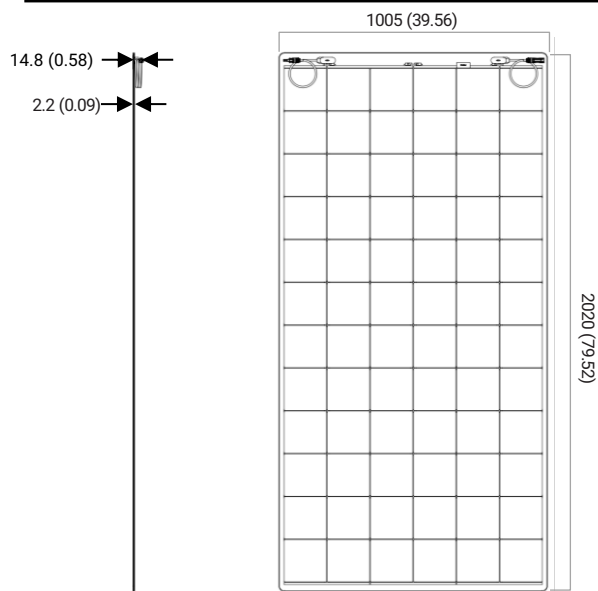
CERTIFICATIONS AND TESTS

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



*For AL120610001 **Excel Solar France

ENGINEERING DRAWINGS mm (In)



GUARANTEED POWER

