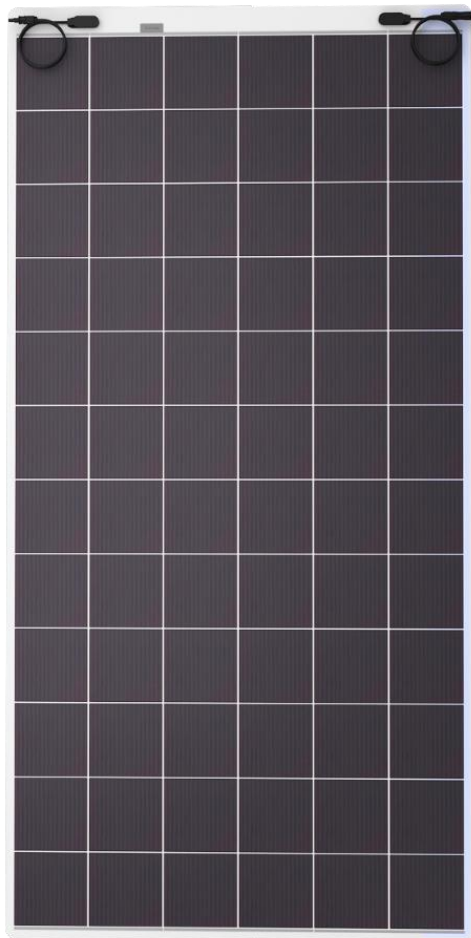




APOLLO AL1206

Panda series

SolarPaint
AL1206 DS
1000V
F12



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



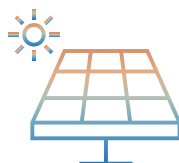
Fast Deployment

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 | AL120610XXX-1 120cm AL120610XXX-2 20cm |
| | 4mm ² (12AWG) cross-section |
| Backside Material | PET |
| 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 **

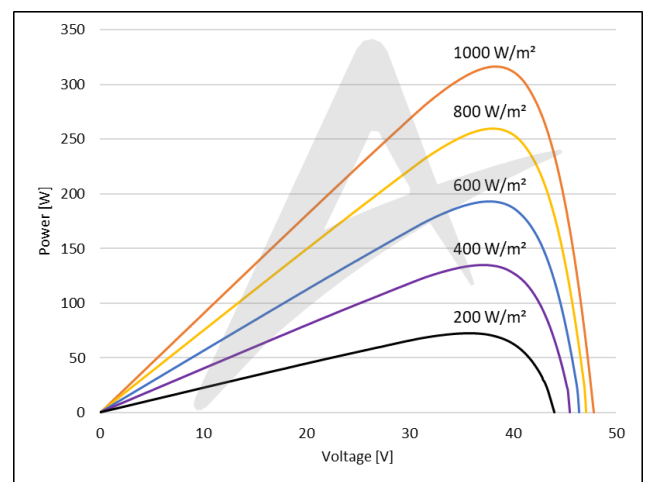
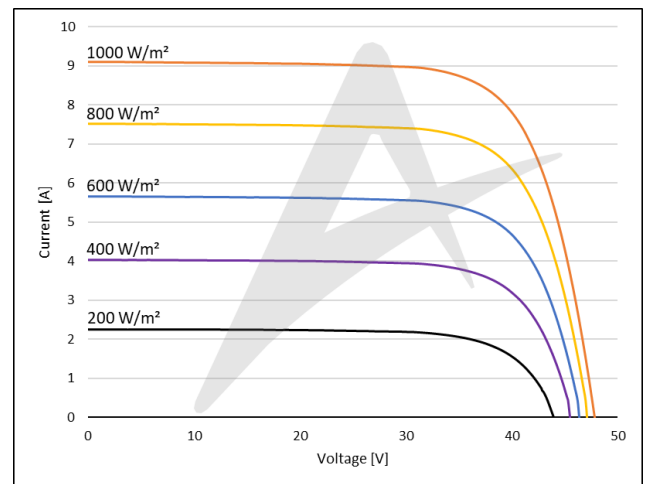
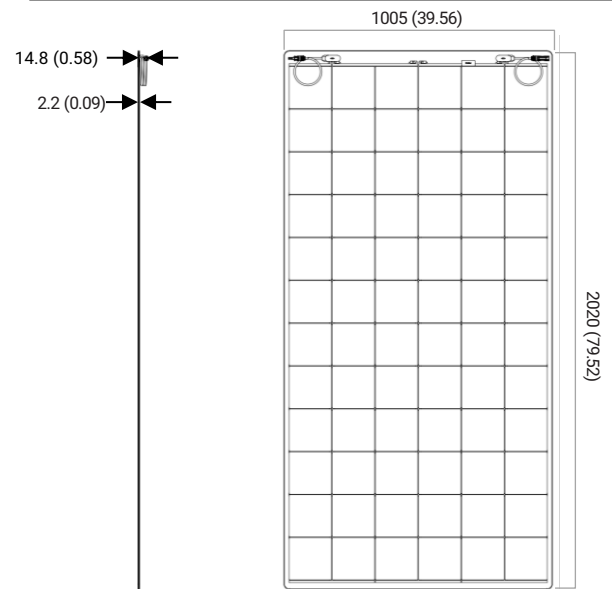
IEC61215;2021, IEC61730;2016, ANSI/UL61215;2021 ANSI/UL61730;2017 *



*For AL12061001

**Excel Solar France

ENGINEERING DRAWINGS mm (In)



GUARANTEED POWER

