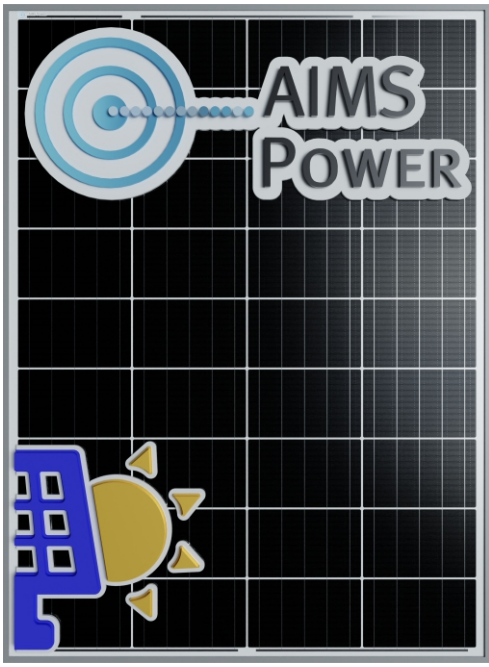
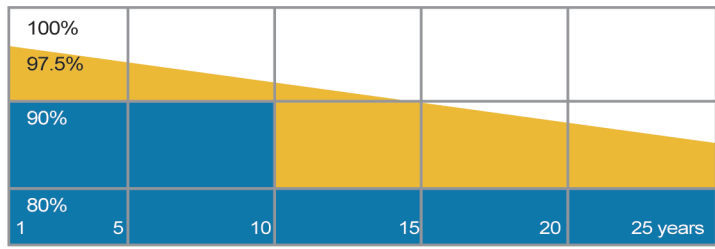
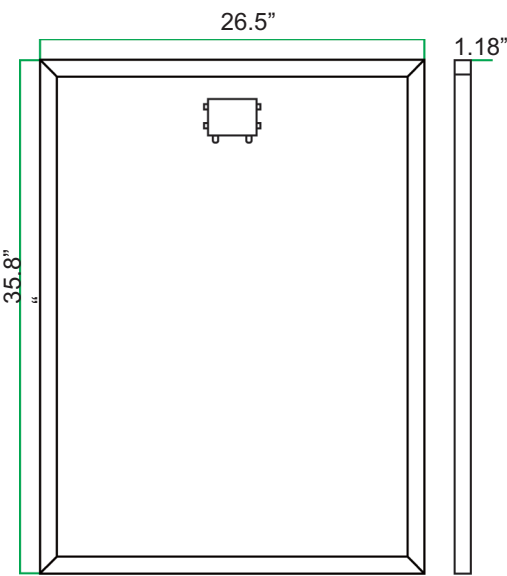


Monocrystalline Solar PV Module

36 Cells, 100W



- +3W** Power and tolerance
0~+3W positive power tolerance guaranteed
- Anti PID** Resistance to the PID
- Stronger surface resistance to mechanical loads**
Passed the certification of 6000Pa snow load and 3600Pa wind load
- Designed for harsh environments**
- Hail**
Passed a hail test with a diameter of 45mm and a speed of 30.7m/s
- Lower temperature coefficient**
Better temperature coefficient allows for power attenuation at high temperature



- 12** 12 years of product material and process quality
- 25** 25 years linear power output warranty



| MODEL | PV100MONO |
|----------------------------------|-----------|
| Maximum Power/Pmax(Wp) | 100 |
| Optimum Operating Voltage/Vmp(V) | 18 |
| Optimum Operating Current/Imp(A) | 5.56 |
| Open Circuit Voltage/Voc(V) | 21.6 |
| Short Circuit Current/IsC(A) | 5.97 |
| Cell Efficiency | 19.02% |
| Module Efficiency | 16.4% |
| Power Tolerance | 0~+3W |
| Maximum Series Fuse Rating(A) | 15A |
| Maximum System Voltage | 1000VDC |

DATA

| | | |
|-------------------------------|---------------------|------------------------------|
| Operating Module Temperature | -40°C to +80°C | °C |
| Storage Temperature | From -40°C to +80°C | °C |
| Insulation Cut Voltage | 1000 | DC |
| Maximum Wind Resistance | 60m/s | N/m ² or max KM/h |
| Surface Maximum Load Capacity | 200 | Kg/m ² |
| Maximum Hail Load Capacity | 5mm | 80km/h |

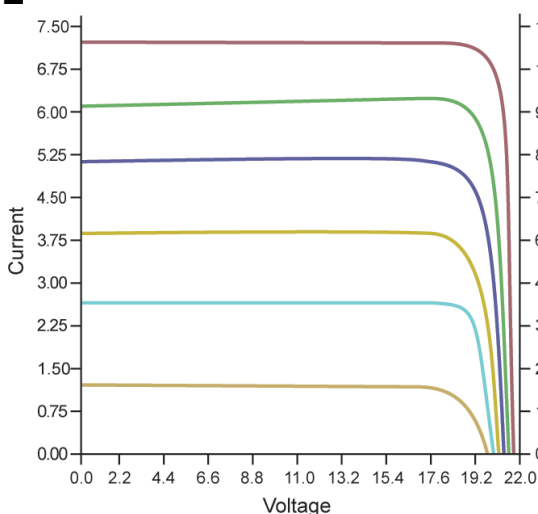
MECHANICAL CHARACTERISTICS

TEMPERATURE CHARACTERISTICS

| | |
|---------------------|---|
| Number of cells | 36(9*4) |
| Cell Dimension(mm) | 156*52 |
| Dimension(inch) | 35.8 x 26.5 x 1.18 |
| Weight(lb) | 15.43 |
| Frame Material | Clear anodized aluminum frame |
| Thickness of Glass | 3.2mm tempered glass |
| Frame | Anodized aluminum alloy |
| Laminating Material | EVA (Light transmittance more than 92%) |
| Backsheet Material | TPT (High weather resistance) |
| Junction Box | Ip65 (1500V system voltage available) |
| Output cable | 90cm 2x4.0mm ² MC4 connector |
| Bus Bar | 5BB |

| | |
|---|------------|
| Nominal Operating Cell Temperature (NOTC) | 45±2°C |
| Temperature Coefficient of Pmax | -0.37%/°C |
| Temperature Coefficient of Voc | -0.29%/°C |
| Temperature Coefficient of Isc | -0.048%/°C |

I-V CURVE



- Sun:1200, Vmp:17.434, Pmax 114.554
- Sun:1000, Vmp:18.000, Pmax:100.152
- Sun:800, Vmp:17.829, Pmax: 82.615
- Sun:600, Vmp:17.784, Pmax:62.264
- Sun:400, Vmp:17.604, Pmax:41.833
- Sun:200, Vmp:17.054, Pmax:18.989