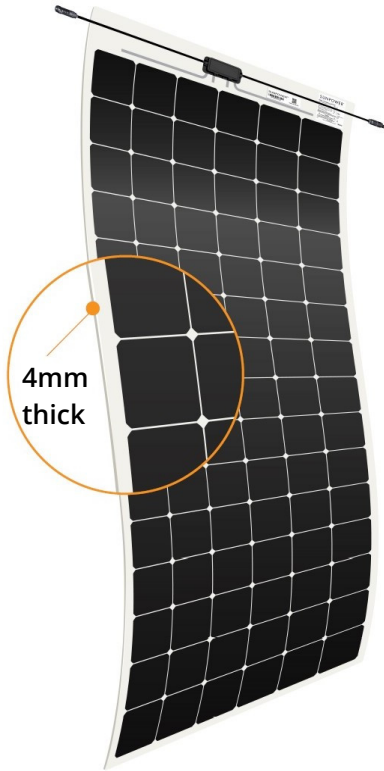




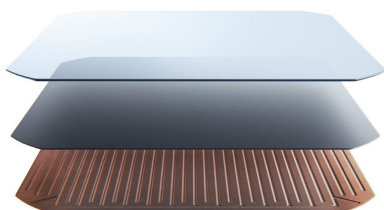
## Preliminary Datasheet

90 CELL PANEL | POWER RANGE: 320 – 340 W | EFFICIENCY: UP TO 20.9%



### SunPower Solar Cell Technology

- Proven technology across 3.5 billion cells shipped
- Most efficient commercialized solar technology<sup>4</sup>
- All SunPower brand solar cells are manufactured by Maxison Solar Technologies, Ltd.



Maxeon Air frameless panels can cover rooftops that heavy, ballasted solar cannot. Air systems enable a 50% lighter system<sup>1</sup> with up to 50% more power per square meter.<sup>2</sup> And with no heavy racking or ballast required, projects and commissioning are simpler. Which takes a load off your mind. And your roof.

Maxeon Air systems open new possibilities inspired by industry-leading R&D.<sup>3</sup> And their core technology is tested and proven across more than 3.5 billion Maxison solar cells deployed to more than 600,000 customers to power their homes, businesses and power plants on 7 continents.

#### Powerful Innovation

The Maxison Air solar panel is designed to deliver up to 50% more power<sup>2</sup> and generate more energy in the same space in real-world conditions such as partial shade and high temperatures.

#### A Proven Platform

With more than 35 years of industry leadership and 35 million panels deployed, Maxison panels are proven to last. That's why Maxison Air panels have a 10-year combined product and power warranty.

#### 50% Lighter, 90% Thinner, and Dramatically Simpler.

Maxeon Air systems have fewer parts and steps than heavy, ballasted solar system. Air systems are racking and ballast-free. Factory-integrated adhesive allows simple installation of light, 4mm-thick laminates on bitumen roofs without heavy hardware, point load constraints and complex, or lengthy installation. Simple system minimises need for expensive permitting studies and structural reinforcements.

#### Maxison Air enables:

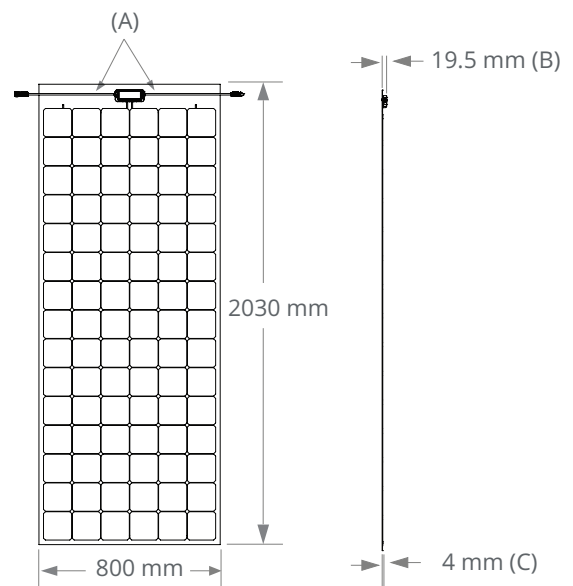
- Solar system loads lower than 6 kg/m<sup>2</sup> on roof building
- Low point loads on roof insulation
- Faster path to commissioning
- Mitigation of thermal expansion by omitting racking

MAXEON Air 90 CELL PANEL | POWER RANGE: 320 – 340 W | EFFICIENCY: UP TO 20.9%

Electrical Data			
	MAX3-320-AIR	MAX3-330-AIR	MAX3-340-AIR
Nominal Power (P <sub>nom</sub> ) <sup>4</sup>	320 W	330 W	340 W
Power Tolerance	+/-3%	+/-3%	+/-3%
Panel Efficiency	19.7%	20.3%	20.9%
Rated Voltage (V <sub>mpp</sub> )	55.6 V	56.9 V	58.2 V
Rated Current (I <sub>mpp</sub> )	5.78 A	5.81 A	5.85A
Open-Circuit Voltage (V <sub>oc</sub> ) (+/-3%)	65.1 V	65.4 V	65.7 V
Short-Circuit Current (I <sub>sc</sub> ) (+/-3%)	6.27 A	6.28 A	6.30 A
Max. System Voltage	1000 V IEC		
Maximum Series Fuse	20 A		
Power Temp Coef.	-0.29% / °C		
Voltage Temp Coef.	-156.6 mV / °C		
Current Temp Coef.	2.9 mA / °C		

Operating Condition And Mechanical Data	
Temperature	-40°C to +85°C
Impact Resistance	25 mm diameter hail at 23 m/s
Solar Cells	90 Monocrystalline Maxeon Gen III
Backsheet	White
Junction Box	IP-68, Stäubli (MC4), 3 bypass diodes
Weight	10 kg or 6.2 kg/m <sup>2</sup>
Max. Test Load <sup>6</sup>	Wind: 2400 Pa, 244 kg/m <sup>2</sup> back Snow: 5400 Pa, 550 kg/m <sup>2</sup> front
Frame	Frameless
Adhesive	Pre-glued layer for use with Bitumen membrane

Tests And Certifications	
Certifications & Compliance	IEC 61215, IEC 61730 (Pending) EN 13501-5 B <sub>Roof</sub> (t3) <sup>5</sup>
Quality Management Certs	ISO 9001:2015, ISO 14001:2015
EHS Compliance	OHSAS 18001:2007, Lead free
PID Test	1000 V: IEC 62804
Available Listings	under work



- (A) Cable length: 500 mm +/- 10 mm
- (B) Overall thickness including J-box
- (C) Laminate thickness

Please read Safety and Installation manual before using this product.

1 Conventional Dual Tilt system, wind load=0.64 kN/m<sup>2</sup>, Building height=10m, tilt=10°  
 2 Maxeon Air 330 W (Ground Coverage Ratio GCR of 0.9) compared to Conventional Single Tilt system (GCR of 0.65) with Conventional Panel (380W mono PERC, 19% efficient, approx. 2 m<sup>2</sup>) System loads on roof calculated with a GCR of 0.9.  
 3 Based on cumulative investment from 2007 through 2018. Osborne. "R&D spending analysis of 21 PV manufacturers." PVTech.com 2019.  
 4 Standard Test Conditions (1000 W/m<sup>2</sup> irradiance, AM 1.5, 25° C). NREL calibration Standard: SOMS current, LACCS FF and Voltage.  
 5 Available for specific membrane under request  
 6 Calculated with a 1.5 Safety Factor with module glued to a bitumen membrane

Made in Malaysia (Cells)  
Assembled in France (Module)

Visit [maxeon.com/air](http://maxeon.com/air) for more information.

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