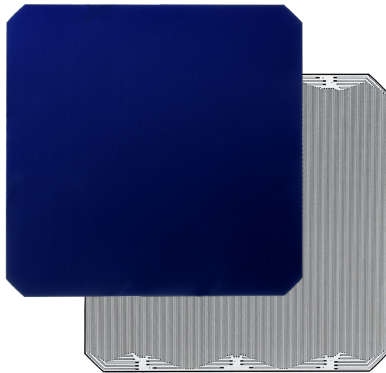


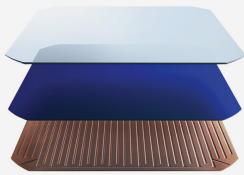
High Efficiency Solar Cell

Maxeon® Technology

Every day, entrepreneurs, designers, adventurers and explorers are changing the way our world is powered by placing their trust in Maxeon technology. We share your spirit of excellence and relentless innovation, which is reflected in most powerful and durable cell to solar enthusiasts. Together, even the boldest goals are within reach.



Fundamentally Different. And Better.



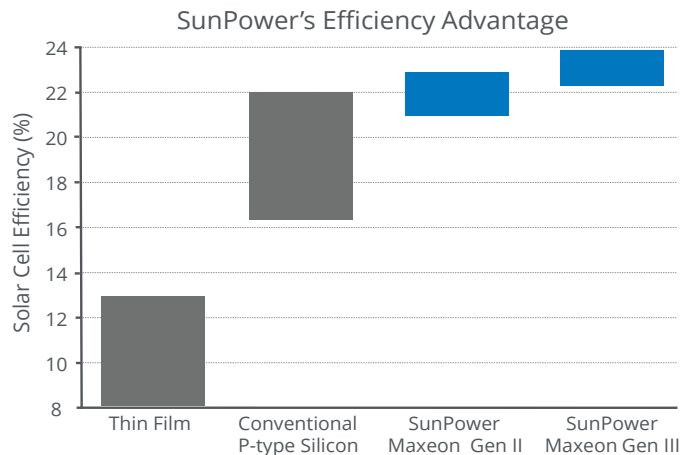
Maxeon® Technology

- Ultra-pure, n-type, monocrystalline silicon for maximum power
- Tin barrier prevents corrosion
- Uniquely durable back-contact design with no ribbons
- Clean and elegant aesthetics by designing out front contacts



Trusted Durability

- Solid metal foundation helps cell bend where others break under pressure.
- Conductive and malleable foundation keeps cell electrically intact even if eventually cracked.
- Maxeon cells solder to lead-free components and are RoHS compliant.



Born to Break Records

Maxeon cells powered the first solar circumnavigation of the planet by air and by sea. They are the chosen technology by pioneers who demand the best in harsh environments.



Proven Technology Platform

Maxeon has deployed more than one billion cells across more than 9 GW of installed solar - with a very low warranty return rate of 0.005%. Maxeon's industry-leading R&D team has invested deeply in generations of incremental design enhancements over three decades.

Electrical Characteristics of typical Maxeon Gen 3 Cell

Cell Bins	Pmpp (Wp)		Eff (%)		Vmpp (V)		Impp (A)		Voc (V)		Isc (A)	
	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max
Nc*	based on customer request											
Ne3	3.78		24.4		0.621	0.630	6.05	6.11	0.728	0.735	6.39	6.43
Me3	3.72	3.78	24.0	24.4	0.616	0.626	6.01	6.09	0.724	0.734	6.37	6.42
MC*	3.49	3.72	22.5	24.0	0.608	0.623	5.79	6.06	0.718	0.734	6.31	6.41
Je3A	3.35	3.49	21.6	22.5	0.571	0.617	5.17	5.45	0.718	0.734	6.03	6.37

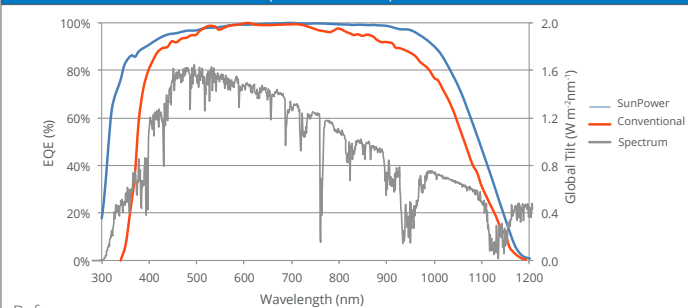
*Nc/Mc available upon request

Temp Coefficients in Maxeon Panels: Voltage: -0.236%/°C, Current: 0.058%/°C, Power: -0.27%/°C

Positive Electrical Grounding

If cell voltage is below frame ground the cell power output will be reduced. Therefore, modules and systems produced using these cells should be configured as "positive ground system". If this creates a problem, please consult with Maxeon.

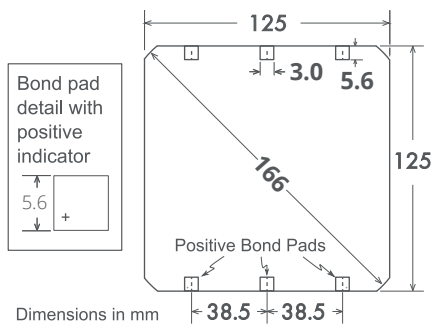
Spectral Response



References
 Conventional: Green, M.a., Emery, K., Hishikawa, Y., & Warta, W. (2010). Solar cell efficiency tables (version 36). Progress in Photovoltaics: Research and Applications, 18(5), 46-352. doi:10.1002/pip/1021
 SunPower: NREL data, commissioned by SPWR. "Gen C CS AR binl". 2013.
 Spectrum: Standard, ASTM. "G173-03." URL: http://www.astm.org

Cell Physical Characteristics

Wafer: Monocrystalline silicon
 Design: All back contact
 Front: Uniform, black antireflection coating
 Back: Tin-coated, copper metal grid
 Cell Area: Approximately 155cm²
 Cell Weight: Approximately 6.6 grams
 Cell Thickness: 150µm +/- 30µm



Bond pad area dimensions are 5.6mm x 3.0mm
 Metal finger pitch between positive and negative fingers is 486µm
 Positive/Negative pole bond pad sides have "+/-" indicators on leftmost and rightmost bond pads

Interconnect Tab and Process Recommendations



Maxeon recommends customers use Maxeon's patented tinned copper strain-relieved interconnect tabs, which can be purchased from Maxeon. These interconnects are easily solderable and compatible with lead free processing solder paste. Tab weigh approximately 0.3 grams.

Our patented interconnect tabs are packaged in boxes of 1,200 each.

<https://sunpower.maxeon.com/int/virtual-patent-marking>

Production Quality

ISO 9001:2015 certified
 Soft handling procedures to reduce breakage and crack formation
 100% cell performance testing and visual inspection.

Sustainability



MSDS

Maxeon cells are subject to certification and regulations under UL, TUV, JET and other regulatory agencies. As an end-product under these agencies, Maxeon end-products are not required to travel with an MSDS.

Packaging

Cells are packed in boxes of 1500 each; grouped in 10 shrink wrapped stacks of 150 with interleaving. 24 boxes are packed in a water-resistant "Master Carton" containing 36,000 cells suitable for air transport.

Purchase Terms

Customers shall not reverse engineer, disassemble or analyze the Solar Cells or any prototype, process, product, or other item that embodies Confidential Information of Maxeon. Customers shall not cause or allow any inspection, analysis, or characterization of any properties (whether mechanical, structural, chemical, electrical, or otherwise) of the Solar Cells, whether by itself or by a third party. Customer agrees that it will not transfer (whether by sale, loan, gift, or other conveyance) the Solar Cells from its possession. Maxeon solar cells are provided "AS IS" without warranty. Full terms and conditions are in the Cell Purchase Agreement