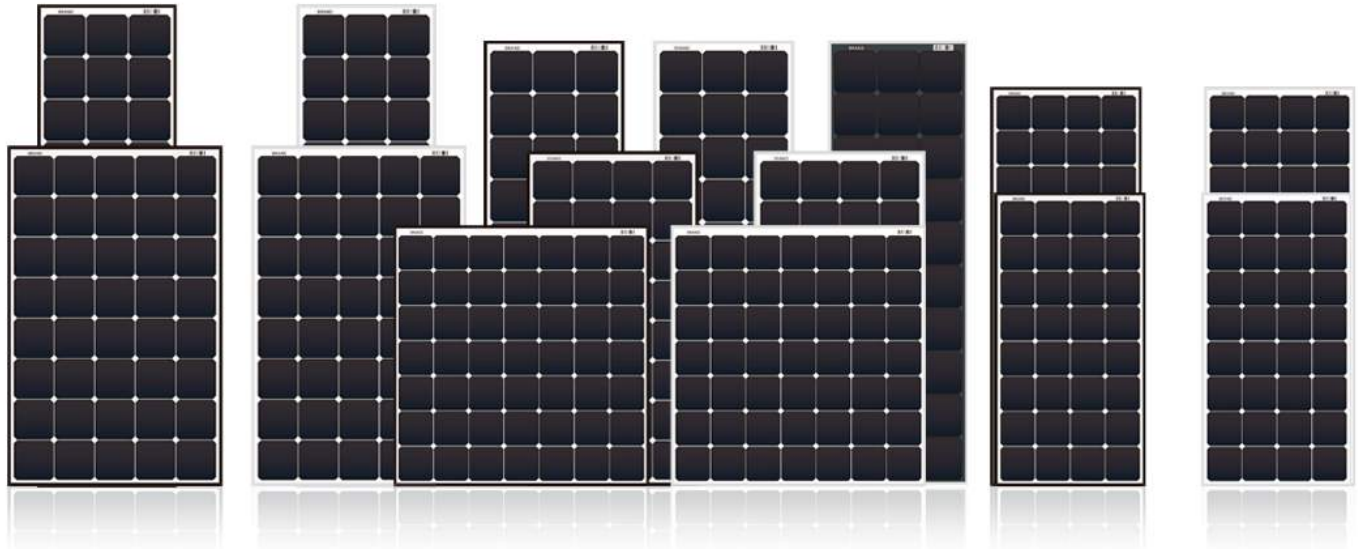


Picture maybe different from actual goods due to cell technology or raw material upgrade.

MAIN FEATURES*

☆ Back Contact Cells,Cell Efficiency up to 25.4%,Module efficiency over 22%.

More power output per square meter,ideal for RV,boat roof or home when space is limit.Smaller size save space.

☆ Premium Aesthetics

Without copper ribbon on front and using high aesthestics solar cells,either black or silver frame fits your roof,boat,stand alone solar systems better.

☆ Excellent weak light performance and Maximum energy per watt

Deliver the most energy in demanding real world conditions,in partial shade,weak light,and hot temperatures.

☆ Durability-Leading quality raw material

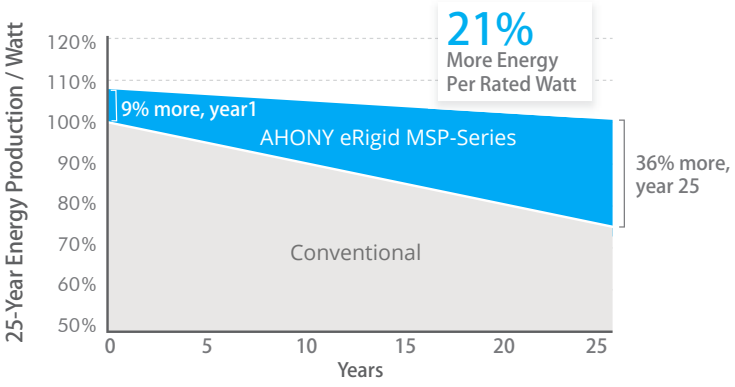
SunPower back contact cell is the only cell built on a solid copper foundation.Virtually impervious to the corrosion and cracking that degrade conventional panels.Low iron tempered glass,high density aluminium frame,top brand EVA and backsheet,our panel produces 9% more power than others year by year.

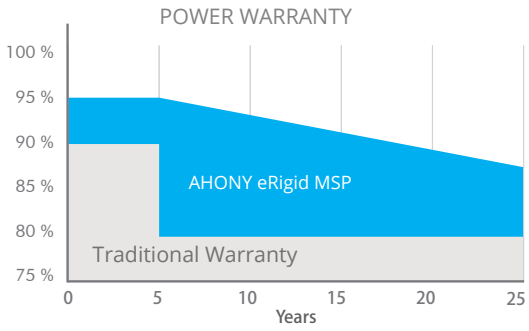
5 YEARS WARRANTY
25 YEARS POWER GUARANTEE*

☆ 5 years quality insured,free replacement,maintenance

☆ 10 years power output more than 90%

☆ 25 years power output more than 80%





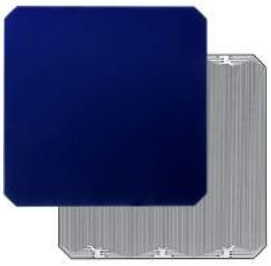
CERTIFICATIONS AND STANDARDS*

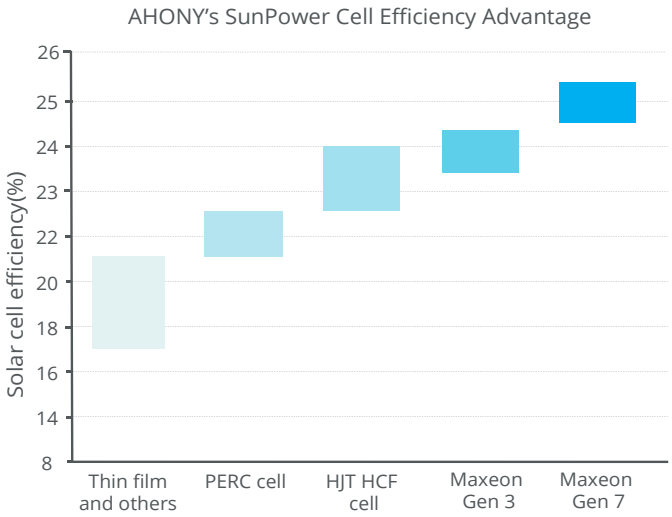
IEC CE RoHS EMC tested

*Please refer to our website or ask AHONY workers for certification and warranty details.

Latest Maxeon Gen 7 SunPower cell

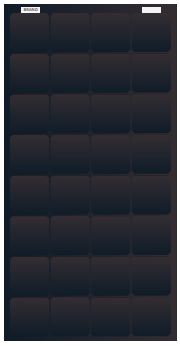
Upgrade to Maxeon Gen 7 cell,max 25.4%,It's still the highest efficiency cell using in application consumer products.





Feature





aesthetics pure black module

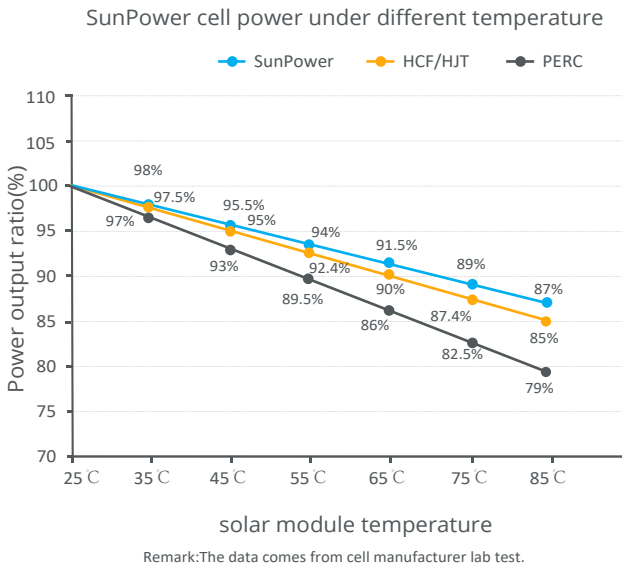
Maxeon® Technology

- Ultra-pure, n-type, monocrystalline silicon for maximum power.
- Tin barrier prevents corrosion.
- Uniquely durable back-contact design with no ribbons on front.It's no cell crack when walk,step on in solar panel.
- Clean and elegant aesthetics by designing out front contacts.Especially making pure black solar module.



Better low light and high temp power

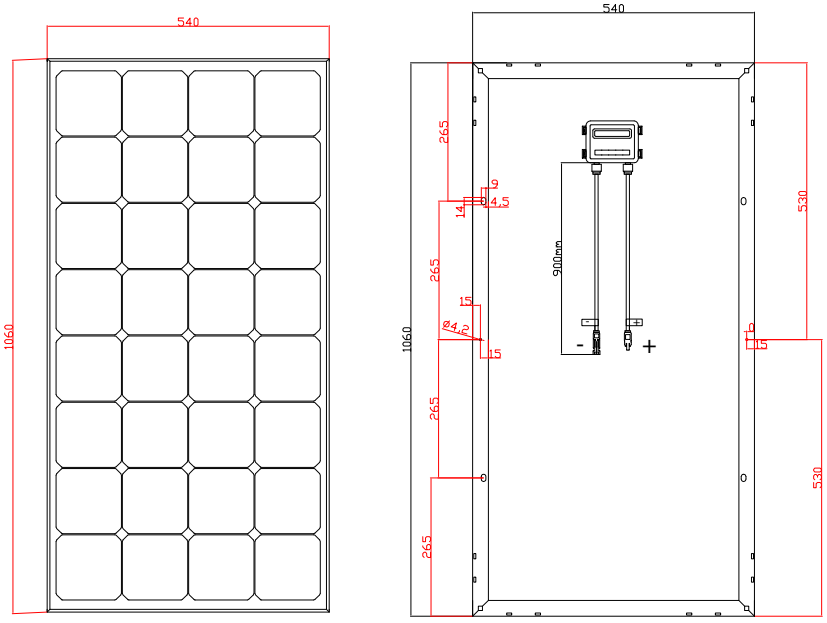
- Solid metal foundation helps cell bend where others break under pressure,longer lifespan.
- Conductive and malleable foundation keeps cell electrically intact even if eventuall cracked.
- Maxeon cells solder to lead-free components and are RoHS compliant.
- SunPower cell module has lower power output coefficient, the power decrease much less under low/weak light and high temperature,it's much more stable.



Remark:The data comes from cell manufacturer lab test.

* Please refer to our website or ask AHONY sales representive for the latest parameters.

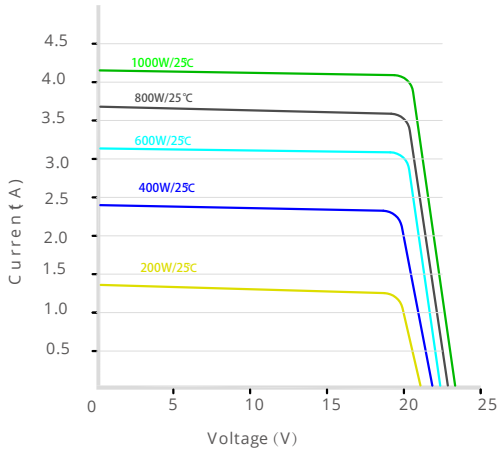
PHYSICAL CHARACTERISTICS*



QUALITY,REALIABILITY AND ADDED VALUE*

AHONY is dedicated to produce,design,R&D eRigid MSP series to be high quality,high aesthestics,positive power output tolerance. The panels are for leisure,mobile,off grid,marine market,small home system,stand alone solar system etc.

IV CURVE*



ELECTRICAL PARAMETERS*

Item	eRigid M140SP	eRigid M170SP	eRigid M210SP	eRigid M250SP	eRigid M300SP	eRigid M400SP
Maximum Power[Wp]	140	170	210	250	300	400
Solar Cell	SunPower Maxeon Gen 7 Solar Cell					
Cell Array[Pcs]	4*9	4*11	6*9	6*11	8*12	8*13
Cell Efficiency	25.4%	25.4%	25.4%	25.4%	25.4%	25.4%
Size[mm]	540*1190*30	540*1430*35	780*1190*35	780*1430*40	1045*1325*40	1045*1690*40
Max Power Voltage Vmp[V]	22.6	27.63	33.9	41.45	50.24	65.31
Max Power Current Imp[A]	6.2	6.16	6.2	6.04	5.98	6.13
Open Circuit Voltage Voc[V]	26.0	31.77	38.99	47.67	57.78	75.11
Short Circuit Current Isc[A]	6.57	6.52	6.57	6.39	6.33	6.49
Net.Weight[kg]	6.5	7.5	9.5	10.6	14	19
NOCT[℃]	46±2	46±2	46±2	46±2	46±2	46±2
Operating Temperature[℃]	-40/+85					
Temp.Coeffi.Pmax[%/℃]	-0.3					
Temp.Coeffi.Voc[%/℃]	-1.74mv					
Temp.Coeffi.Isc[%/℃]	+0.05					
Max System Voltage[V]	1000V DC					
Max Reverse Current[A]	10-20					
Safety Class	A					
Certification	CE,RoHS					
Cables and Connectors	0.9m cable and a pair of MC4 connector					
Standard Test Conditions	STC: 1000W/m², AM 1.5 and cell temp 25°C					

*AHONY offer customize service,please refer to our website or ask AHONY workers for more sizes and the latest parameters.