

Colour Option: Black White



No Grid Lines on Front of Cell

eGo S 's back contact cells absorb more sunlight and looks incredible on roof. It's aesthetic and higher efficiency.



Solid Copper Backing Cell Resilient

The thick copper foundation adds massive strength and is impervious to corrosion. Especially make the cell resilient.



Unique Back Contact Least Power Loss

Patent back contact technology makes cell efficiency higher, the cell is slightly bendable and has the least power loss.



Advantage



23.7% Solar Cell Efficiency

eGo S semi-flexible solar panel use premium quality Gen III SunPower back contact solar cells, with cell efficiency up to 23.7%, SunPower leads the world top solar cell technology.



Weather Resistance

Not only the solar cell will not break when hit or bend, but also ETFE or TPT polymer surface makes longer lifespan for more than 15 years.



30°Max Arc and Aerodynamic

Compared to regular rigid solar panel, it's bendable and the maximum angle is 30 degrees, for arc 1000mm distance, the bend height is 40mm. It's aerodynamic design for all mobile use like caravan, boat, marine, motor etc.



Thin, Resilient and Aesthetic

By using plastic surface, removing the aluminium alloy frame, it makes flexible solar panel only 3mm. The patented unique back contact cell is resilient and aesthetic.



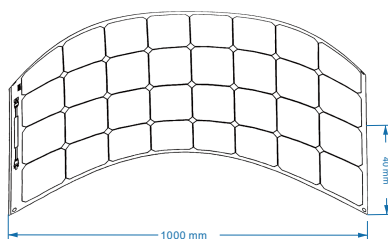
70% Lighter than Rigid Panel

It uses ETFE or TPT surface to replace the rigid glass panel, and remove the aluminium alloy frame, it makes flexible solar panel only 30% weight or less than conventional glass panel.

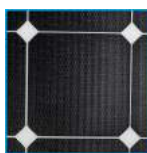
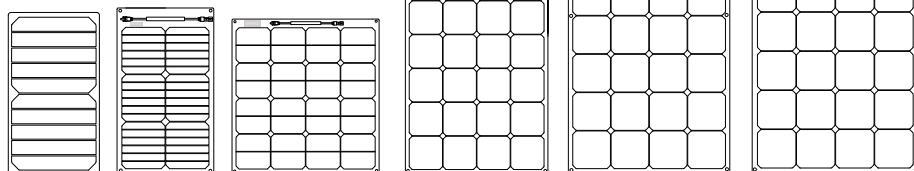


Customize Service

AHONY have advanced producing machine to make different sizes, shape, parts to meet various needs. For specific require, we can discuss. All flexible passed CE, ROHS certification.

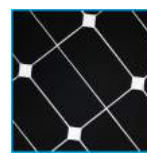


*The biggest bend angle is 30degree,
that is for panel two points distance
1000mm the max bendable height is 40mm
*It is not advisable to step on it .



Shining ETFE

With Shining ETFE surface,
the panel looks new and
more aesthetics.



Non-shining ETFE

Regular non-shining ETFE,with
longer history,it transmit more
solar into cells.

Datasheet

	eGo S5W	eGo S7W	eGo S14W	eGo S20W	eGo S35W	eGo S50W	eGo S80W	eGo S110W	eGo S120W	eGo S150W
Maximum Power[Wp]	5	7	14	20	35	50	80	110	120	150
Solar Cell	SunPower Maxeon Gen III Back Contact									
Cell Array[Pcs]	1*10	1*12	2*6	2*16	3*12	4*8	4*18	4*8	4*19	4*11
Cell Efficiency	22.4%	22.4%	22.4%	22.4%	22.4%	22.4%	22.4%	22.4%	22.4%	22.4%
Size[mm]	135*240*2.5	135*275*2.5	270*280*2.5	480*280*3	400*565*3	540*560*3	540*840*3	540*1060*3	540*1200*3	540*1460*3
Max Power Voltage Vmp[V]	5.8	6.9	6.9	18.56	18.56	18.56	20.88	18.56	20.88	25.52
Max Power Current Imp[A]	0.87	1.02	2.03	1.08	1.89	2.70	3.84	5.93	5.75	5.88
Open Circuit Voltage Voc[V]	6.84	8.14	8.14	21.9	21.9	21.9	24.64	21.9	24.64	30.11
Short Circuit Current Isc[A]	0.92	1.09	2.15	1.15	2.00	2.86	4.07	6.28	6.09	6.23
Net.Weight[kg]	0.1	0.15	0.20	0.50	0.80	1.10	1.30	2.00	2.30	2.80
NOCT[℃]	45±2	45±2	45±2	45±2	45±2	45±2	45±2	45±2	45±2	45±2
Operating Temperature[℃]	-40/+85									
Temp.Coeffi.Pmax[%/℃]	-0.30									
Temp.Coeffi.Voc[%/℃]	-0.174									
Temp.Coeffi.Voc[%/℃]	-0.05									
Max System Voltage[V]	45V DC									
Max Reverse Current[A]	10	10	10	10	10	10	10	10	20	20
Safety Class	A	A	A	A	A	A	A	A	A	A
Certification	CE,RoHS									
Cables and Connectors	NO	NO	NO	0.9m cable and a pair of MC4 connector						
Standard Test Conditions	STC: 1000W/m², AM 1.5 and cell temp 25℃									