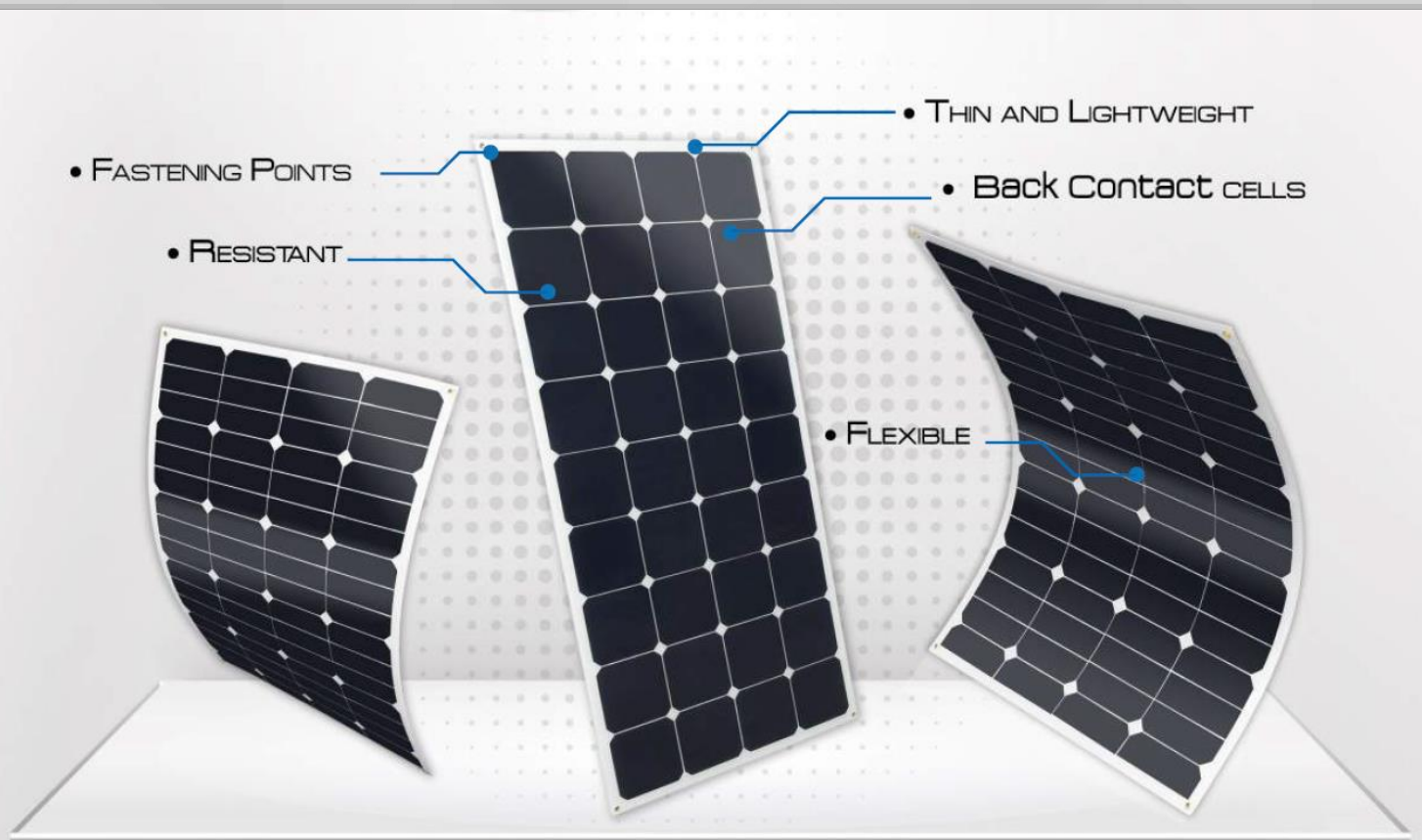
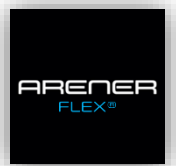




YOUR PARTNER IN RENEWABLE ENERGY



DATASHEET ARENER FLEX MODULE



HIGH EFFICIENCY "BACK CONTACT" CELLS

MX FLEX solar module adopts the highest efficiency cell in the world with efficiency up to 20% or higher, which enable 25-30% higher power generation than the conventional PV modules at the same size.

By adopting the Back Contact technology from **SUNPOWER**, the cell can be coated with the flexible materials and finally forms the high efficiency flexible solar panel.

MECHANICAL CHARACTERISTICS

Modules	Dimensions (mm)	Weight (Kg)
15W	159 x 730 x 3	0,4
30W	387 x 535 x 3	0,77
50W	557 x 535 x 3	1
50W XTD	1080 x 283 x 3	1
60W	738 x 535 x 3	1,30
100W	1050 x 540 x 3	1,70
120W	1315 x 544 x 3	1,90
130W	1435 x 540 x 3	2



TECHNICAL CHARACTERISTICS

Characteristics	15W	30W	50W	50W XTD	60W 12V	60W 24V	100W	120W	130W
Maximum Power Pm (W)	15	30	50	50	60	60	100	120	130
Tolerance (%)	+5								
Open Circuit Voltage Voc (V)	19,5	21,2	21,2	20,8	21,0	42,3	21,6	26,4	29,4
Short Circuit Current Isc (A)	0,97	1,83	3,05	3,04	3,67	1,86	5,97	5,87	5,76
Maximum Power Voltage Vm (V)	16,5	17,6	17,6	17,6	17,5	35,2	17,8	22	24,4
Maximum Power Current Im (A)	0,91	1,70	2,84	2,84	3,43	1,71	5,62	5,45	5,32
Module Efficiency (%)	17-20								
Solar Cell Efficiency (%)	22,5								
Cell Type (mm)	125	125	125	125	125	125	125	125	125
Number of Cells (Pcs)	1x5	10x3	16x2	16x2	20,3x3	20,3x3	36	40	44
Maximum System Voltage (V)	1000								
Temp. Coeff. of Voc (%/°C)	-0,43								
Temp. Coeff. of Isc (%/°C)	-0,019								
Temp. Coeff. of Pm (%/°C)	-0,43								
Max. Series Fuse (A)	14								

All Rating at STC1000W/m² Am 1,5 Spectrum, 25°C