

## Single-Sided ETFE



## Applications

- For motor boats and sailing yachts
- For camping, caravan, off-road and 4x4
- For outdoor activities
- For industry, agriculture, shipping and building sectors



## Features

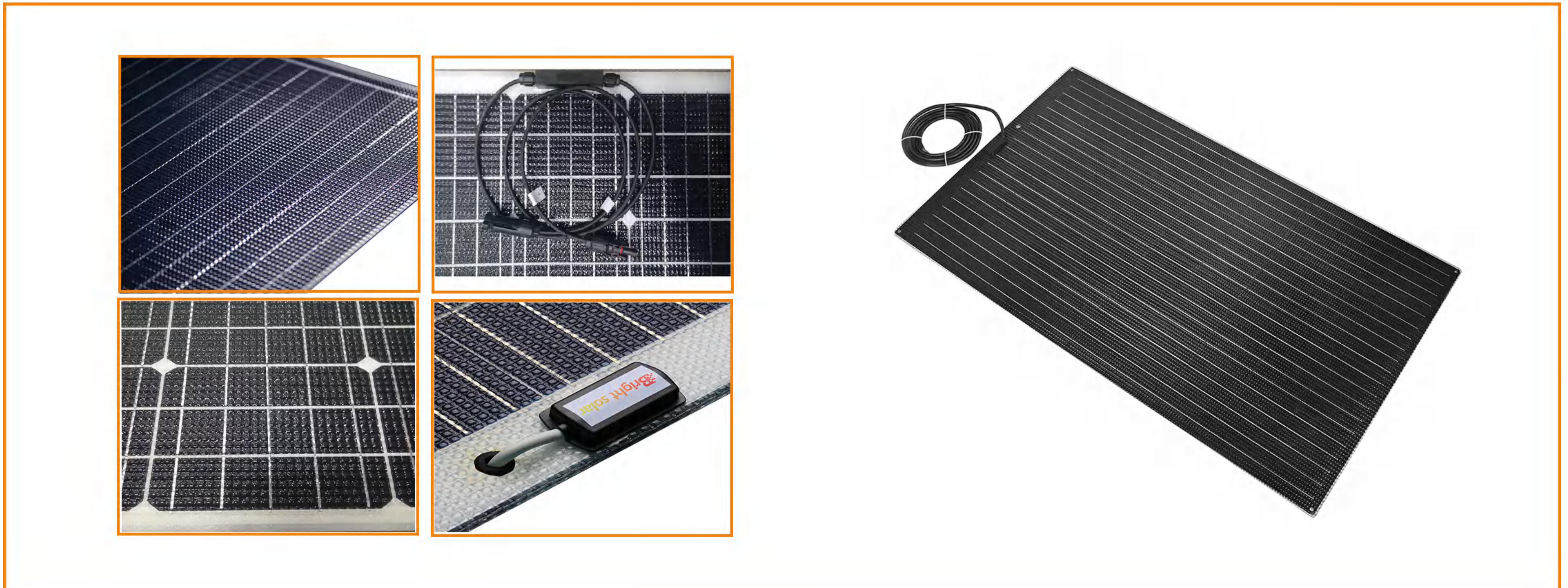
- 100% sea & salt water resistant
- Flexibility 3%~5%
- 0~3% tolerance output power
- Cable : 3m length without MC4 compatible connectors or 2\*1m with MC4 compatible connectors
- IP67 junction box cable output, sealed and fully waterproof
- Lightweight, easy to install
- 304 stainless steel eyelet for easy fixing and installation
- DuPont ETFE surface to reduce slip risks when wet
- PERC solar cells with highest performance class for maximum power
- Rounded corners to prevent risk of injuries
- 100% maintenance-free, self cleaning surface
- Maximum allowed curvature: 3% (3cm/1m)
- 1 years warranty power output



# Semi Flexible Solar Panel — M1 Series



## Module Diagram & Construction

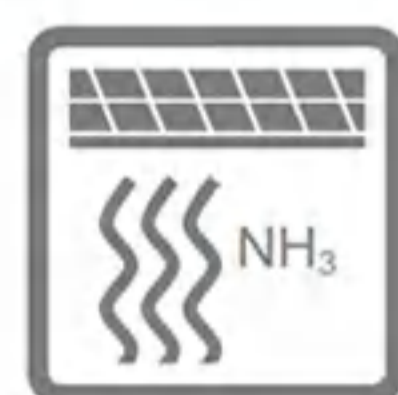


## Product specifications & Electrical testing

Model	BS20-FA-M(E)	BS30-FA-M(E)	BS50-FA-M(E)	BS60-FA-M(E)	BS80-FA-M(E)	BS100-FA-M(E)	BS120-FA-M(E)	BS140-FA-M(E)	BS160-FA-M(E)	BS180-FA-M(E)	BS200-FA-M(E)
Cell	PERC 158.75*158.75 mm Mono solar cell										
Accessories (option)	2*1M cable+MC4 connectors & 3M cable not MC4 & 5M cable not MC4										
Size[mm]	450*365*4	665*365*4	610*510*4	1035*360*4	720*665*4	1150*510*4	1030*665*4	1220*670*4	1328*665*4	1400*700*4	1500*665*4
Weight[kg]	0.9	1.5	1.9	2.4	3.5	3.8	4.1	4.6	5.3	5.5	5.8
Tolerance[%]	0~+3%										
Nominal peak power[W]	20W	30W	50W	60W	80W	100w	120W	140W	160W	180W	200W
Vmp[V]	18V										
Ipm[A]	1.11	1.67	2.78	3.33	4.44	5.56	6.67	7.78	8.89	10.00	11.11
Voc[V]	21.6V										
Isc[A]	1.20	1.80	3.00	3.60	4.80	6.00	7.20	8.40	9.60	10.80	11.99
Efficiency[%]	22.5%										
Construction	Single - Sided DuPont ETFE										
Power temperature coefficient	-0.24%/°C										
Voltage temperature coefficient	-0.25%/°C										
Current temperature coefficient	-0.06%/°C										
NOCT	45±2°C										
Max system voltage:	1000V DC										



Resistance to salt-spray corrosion



Resistant to ammonia corrosion

