

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 25%~30%
- 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
- SUNPOWER 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)
- 3 years warranty power output



Module Diagram & Construction



Product specifications & Electrical testing

| Model | BS50-FT-S(E) | BS100-FT-S(E) | BS150-FT-S(E) | BS170-FT-S(E) | BS190-FT-S(E) | BS200-FT-S(E) |
|---------------------------------|---|---------------|---------------|---------------|---------------|---------------|
| Cell | SUNPOWER solar cell | | | | | |
| Accessories (option) | 2*1M cable+MC4 connectors or 3M cable not MC4 | | | | | |
| Size[mm] | 560*520*2.8 | 1040*520*2.8 | 1330*540*2.8 | 1460*540*2.8 | 1355*685*2.8 | 1190*850*2.8 |
| Weight[kg] | 0.5 | 0.9 | 2.4 | 3.5 | 1.5 | 1.9 |
| Tolerance[%] | 0~ +3% | | | | | |
| Nominal peak power[W] | 50W | 100W | 150W | 170W | 190W | 200W |
| Vmp[V] | 18V | | | | | |
| Ipm[A] | 2.77 | 5.55 | 8.3 | 9.44 | 10.55 | 11.11 |
| Voc[V] | 21.6V | | | | | |
| Isc[A] | 2.99 | 5.99 | 8.9 | 10.19 | 11.39 | 11.99 |
| Efficiency[%] | 23.0% | | | | | |
| Construction | 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

