

Spectra Bifacial Solar Panels



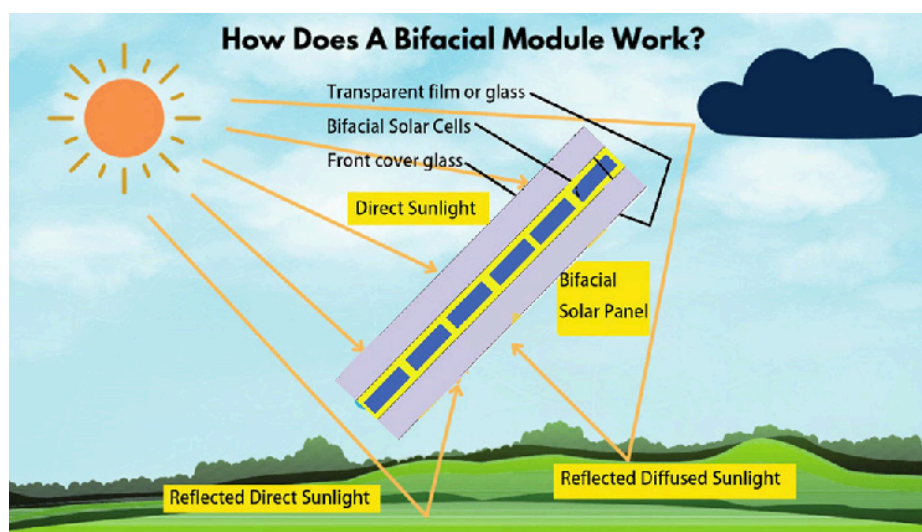
Marlec's new range of Spectra Bifacial solar panels are double-sided modules that generate solar power from both the front and the back. This allows them to capture more sunlight and produce up to 30% more energy than single-sided panels. The range is split into Framed and Flexible panels, both are lightweight, sturdy, and easy to install, making them ideal panel for caravans, boats, off-grid locations, and more.

Spectra Bifacial Framed

- Available in 110W, 150W, 400W
- Robust anodised black aluminium frame design.
- Anti-PID (Potential-induced Degradation) performance guarantee.
- Higher performance during sunny and cloudy weather conditions.
- New MBB TOPCon solar cells, improving the look and efficiency of the solar panel.
- Seamless soldering technology for minimum space and maximum energy.

Spectra Bifacial Flexible

- Available in 100W
- PERC mono solar cell for high efficiency
- UV resistant ETFE coating
- Crack and hotspot resistant
- Higher performance during sunny and cloudy weather conditions.
- Lightweight, ultra flat and robust make them ideal for marine applications
- Corners are rounded with cut out eyelets for safe and easy installation



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Spectra Bifacial Solar Panels

Model	Spectra 100W Flexible Bifacial	Spectra 110W Framed Bifacial	Spectra 150W Framed Bifacial	Spectra 400W Framed Bifacial
Part Number	CA-10/7100FB	CA-10/7110B	CA-10/7150B	CA-10/7400B
Maximum Power (Pmax)	100W	110W	150W	400W
Net Dimensions	1080 x 535 x 1.75 mm	561 x 942 x 35 mm	775 x 942 x 35 mm	1690 x 1106 x 40 mm
Net Weight	1.8 kg	6.3 kg	8.3 kg	21.0 kg
Junction Box		IP68 with 2 Bypass Diodes	IP68 with 2 Bypass Diodes	IP68 with 2 Bypass Diodes
Connector Type		MC4	MC4	MC4
MPP Voltage (Vmpp)	18V	25.28V	22.75V	67.3V
Open Circuit Voltage (Voc)	21.6V	28.78V	25.68V	78.8V
Mpp Current (Impp)	5.55A	4.35A	6.59A	5.94A
Open Circuit Current (Isc)	6.00A	4.57A	6.84A	6.34A
Efficiency	23%	20.81%	20.81%	20.93
Max System Voltage	300V DC	1000 (IEC)	1000 (IEC)	1000 (IEC)
Certification	UKCA, ROHS, ISO9001:2015	UKCA, ISO9001, IEC 61215, IEC 61730-1/-2, UL1703, IEC 61701, IEC 62716	UKCA, ISO9001, IEC 61215, IEC 61730-1/-2, UL1703, IEC 61701, IEC 62716	UKCA, ISO9001, IEC 61215, IEC 61730-1/-2, UL1703, IEC 61701, IEC 62716

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