

Alpex Solar Panels

From Marlec

*Solar energy for off-grid power
wherever you need it*



- Leisure
- Professional
- Public Sector
- Countryside
- Marine

A Solar Solution For You

Solar power systems have a variety of valuable uses in modern living, from simple battery charging on boats and caravans to professional applications at isolated sites whose operations are critical.



Solar energy can open up many new options for you to use electrical appliances and equipment away from the grid supply. Already there are tens of thousands of successful installations of solar panel systems supplied by us and these include providing power for:

- Telemetry
- Sailing Boats
- Telecommunications
- Caravans, Motorhomes
- Parking meters
- Off Grid Homes
- Navigation aids
- Electric Fencing
- Security sensors
- Traffic signals
- Instrumentation
- Isolated automatic gates

There are good environmental reasons for choosing a renewable energy option even when the grid is available, reducing infrastructure works and ongoing energy costs.

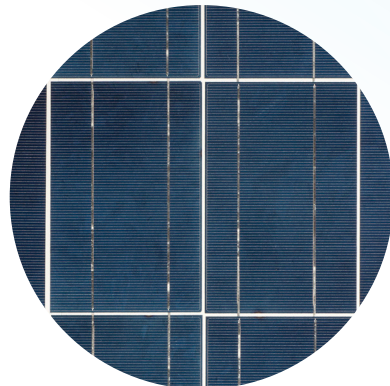
Where the grid is inaccessible or too costly to install solar energy provides a cost effective and sustainable alternative.

Typical Marlec Solar Powered Systems



Alpex Solar Panels have been selected by our experienced team here at Marlec, we look for a build quality that combines a durable frame and good photovoltaic cell performance for our customers. The range of polycrystalline panels benefit from:

- Rugged frames constructed of a heavy duty anodised aluminium box and key design to withstand forces over long term installation
- Each panel is fitted with a junction box on the rear for wiring connection.
- Anti-reflective coated glass to improve light transmission to the cells to generate more energy
- Power tolerance of +/- 5% of rated power
- Models over 30W are certified against degradation from salt mist corrosion
- 10 year product warranty
- Alpex is an ISO9001 certified manufacturing facility and their solar panels are backed up by the international standards for performance and safety compliance, IEC61215 and IEC61730



About Marlec

Here at Marlec we have specialised in renewable energy since 1978. Our range of wind turbines, Rutland Windchargers, are used worldwide in some of the harshest working environments on land and sea. We introduced solar panels into our product portfolio in 1989 and we have built up extensive and unrivalled experience in the application of solar panels. We work with our customers to provide them with successful solutions that enable them to experience the independence and benefits of “off-grid” energy. Visit our website for all up to date information or call our sales advisors today.



Alpex Solar Panel Specifications

Solar Panel		Electrical Specification							Size mm (+/-2mm)			Weight	
Model No:	Part No:	Pmax Watts	Voc (V)	Isc (A)	Vpm (V)	Ipm (A)	Width	Length	Depth	Net (kg)	Packed (kg)		
ALP-10A	CA-10/101A	10	21.4	0.63	17.7	0.57	280	335	25	1.18	1.4		
ALP--20	CA-10/102	20	21.4	1.25	17.7	1.15	360	485	22	2.06	2.3		
ALP-30	CA-10/103A	30	21.4	1.85	17.7	1.7	665	435	25	3.2	3.5		
ALP-40	CA-10/104	40	21.4	2.45	17.7	2.3	665	435	30	3.4	3.7		
ALP-40A	CA-10/104A	40	21.4	2.45	17.7	2.3	665	435	25	3.18	3.5		
ALP-50	CA-10/105	50	21.4	3.1	17.7	2.85	665	555	25	3.88	4.6		
ALP-80A	CA-10/110A	80	21.4	4.85	17.7	4.55	676	796	30	6.06	6.7		
ALP-80B	CA-10/110B	80	21.4	4.85	17.7	4.56	665	776	35	6.08	6.7		
ALP-100A	CA-10/107A	100	21.4	6.3	17.7	5.7	675	1006	30	7.5	8.3		
ALP-135	CA-10/114	135	21.4	8.15	17.7	7.63	666	1306	35	9.4	10.5		
ALP-200	CA-10/111	200	44.14	5.96	35.4	5.65	982	1382	35	15.5	17		
ALP-270	CA-10/115	270	37.98	9.15	30.93	8.73	992	1656	35	18.1	19.5		

Subject to change visit www.marlec.co.uk for up to date specification