

# SUNWARE SOLAR PANELS



*Imagine*, everytime you board your yacht, all the battery power is immediately available. Satellite navigation, computer, refrigerator, engine starting and all the on board comforts and safety features for a day cruise or trip on the high seas. You too can enjoy that convenience with the right solar battery charging system.



SunWare panels are seawater resistant

SunWare solar panels have the highest power output to surface area ratio of semi-flexible panels on the market. Their efficient polycrystalline cells convert sunlight to power into your battery so you can have cool drinks and keep the depth sounder running. They have been specifically designed for marine applications and so are built to the very highest quality standard of materials and workmanship. This is backed up by a 3 year warranty and can be seen in the following SunWare products construction and features:

- ❖ The clear EVA surface which thermally seals the photovoltaic cells to protect them against water ingress and is bonded to the stainless steel substrate.

- ❖ The V4 marine grade stainless steel substrate that is totally resistant to atmospheric corrosion and salt water.
- ❖ The seawater-tight cable outlet and breakproof electrical contacts.
- ❖ The structured Teflon coated surface which can be walked on and is designed to reduce the possibility of slipping even in wet weather.
- ❖ SunWare panels are flexible up to 3% (=3cm over 1m) across their length so they can be conveniently placed on curved surfaces.
- ❖ Each panel is supplied with 3m of cable with an in-line diode to prevent reverse power from the battery in darkness
- ❖ Each solar panel is individually tested to industry standards.

## SunWare High Efficiency

SunWare solar panels are particularly efficient as they are made up of 39 and 40 cells, a feature that has 2 distinct advantages:

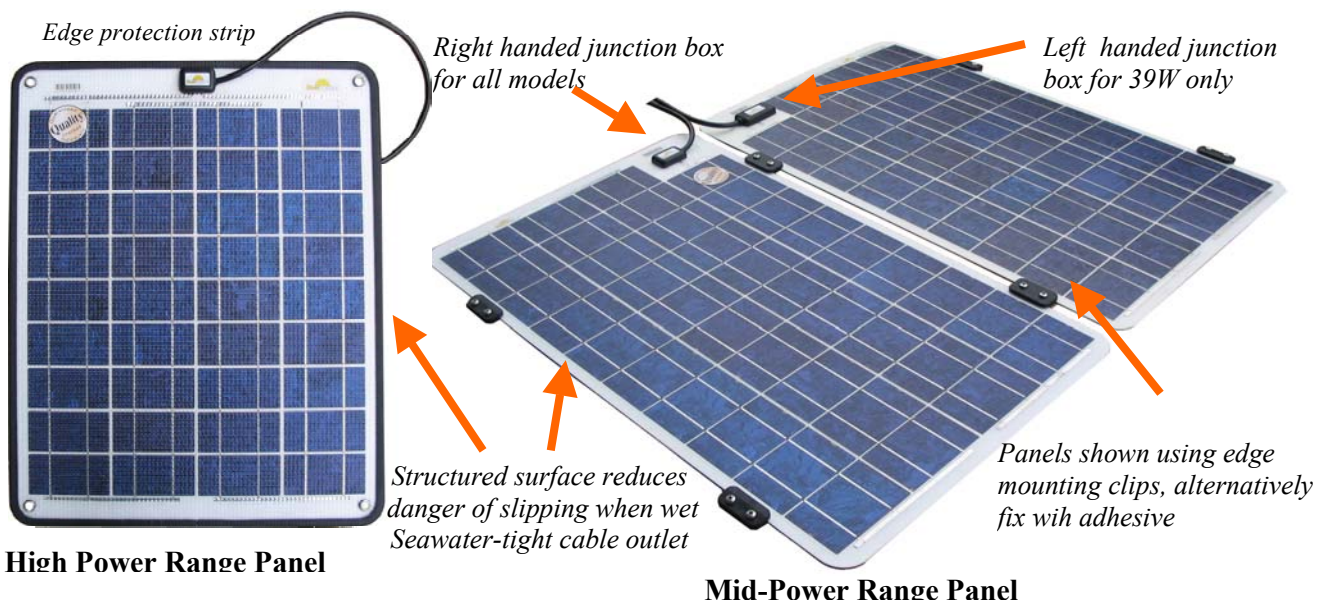
1. They run cooler and therefore deliver excellent performance in summer months and in hotter climates.
2. The additional cells assist in compensating for lost voltage in overcast conditions delivering power for longer than solar panels with less cells.

## SunWare range

Choose from **SunWare's High Power Modules** or the **Mid-Power range** according to your battery size and usage. Please call Marlec to discuss for free advice and to discuss your system.

## High Power Range

The High Power Range modules are truly space saving! The cell area of the solar panel is maximised so you don't use any more space than necessary. Fitting is flexible, they can be glued to a smooth surface, simply screwed using the drilled holes provided or affixed using edge mounting clips available. The cable exit of the 48W & 69W models is located at the right side of the panel and uniquely the 39W model is available in both left and right handed cable exits allowing 2 panels to be conveniently placed side by side.



## Mid-Power Range

The Mid-Power range are supplied with drilled eyelets for screw fixing and are finished with a durable rubberised surround edge protection.

## SunWare Range and Specifications:

Model:	Part no.	Peak Watts:	Max Current:	Open Circuit V	Cell Quantity:	Dimensions mm. Net/GrossWt Kg
<b>Hi-Power Compact</b>			@13.8V			
SunWare SW5066	CA-10/69	69W	5A	24V	39	600x890x5 5.4 / 7.7Kg
SunWare SW5065	CA-10/68	48W	3.48A	24V	39	780x460x5 3.5 / 5 kg
SunWare 35/K-Right	CA-10/63	39W	2.83A	22V	39	740x440x5
SunWare 35/K-Left	CA-10/64					4.5 / 5.8Kg
<b>Mid Power Range</b>						
SunWare 40 W	CA-10/62	40W	2.9A	23.2V	40	770x495x5 4.5 / 5.8Kg
SunWare 30 W	CA-10/61	30W	2.17A	23.2V	40	640x465 x5 3.2 / 4.5Kg
SunWare 27 W	CA-10/60	27W	1.96A	20.9V	36	585x465x5 3.2 / 4.2Kg

When you invest in SunWare photovoltaic panels you'll get a comfortable feeling about the power available on board your yacht. At Marlec we have been designing wind and solar energy systems since 1979 for marine and land based applications and we would be pleased to discuss your specific power requirements. Call us today for professional advice!

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