

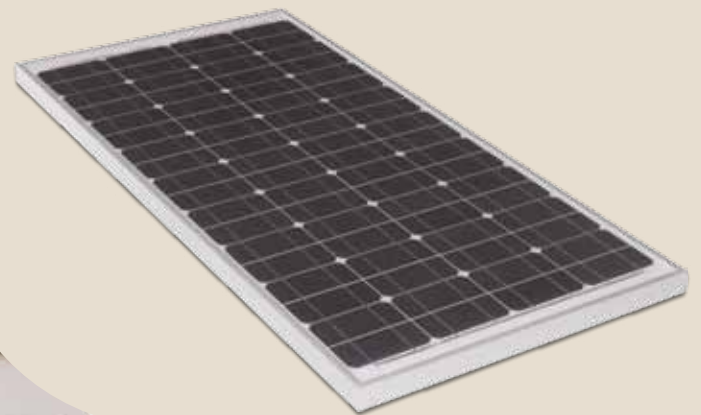
# Monocrystalline solar panels

THE POWER OF  
**REDARC**<sup>®</sup>  
**SOLAR**

Redarc monocrystalline solar panels are perfect for the roof of your caravan, camper trailer or motor home. Unlike domestic solar panels, they are designed specifically for camping and caravanning with a 12 volt output.

Monocrystalline solar panels offer superior performance in a variety of light conditions compared to other solar panel types.

- Superior monocrystalline technology
- Rugged aluminium frame with no visible fixings
- Highest efficiency of all solar panel types



Welcome to our solar system



Designed by Redarc Solar for Australia's harsh conditions and extreme weather, each solar panel is tested to meet exacting standards at the time of manufacture.

High efficiency monocrystalline cell technology ensures you will make the most of low light conditions.

Combine them with a stand-alone Redarc solar regulator, in-vehicle battery charger or battery management system (which allows charging from 240 volt or your vehicle battery) to keep your auxiliary batteries charged to their maximum.

### Works with...



#### ABS plastic mounts

Attach your solar panel with surface-mounted ABS plastic mounts that require no drilling of your camper trailer/caravan, retaining waterproof integrity.



#### SRP0120 and SRP0240 solar regulators and SRP0240-RM remote monitor

Suitable for charging two separate battery banks, our regulators are available in 10 or 20 amp models. The remote monitor keeps track of your auxiliary battery's state of charge.



#### BCDC in-vehicle battery chargers

With an in-built MPPT solar regulator, a BCDC in-vehicle charger will charge your auxiliary battery from a solar panel or vehicle start battery.



#### BMS battery management system

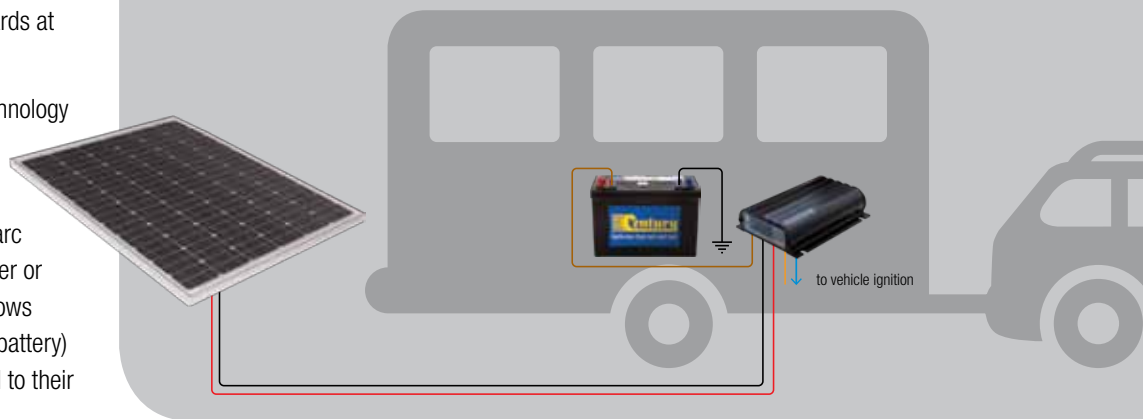
The BMS automatically chooses the best source to charge your auxiliary batteries from - solar, 240 volt or your vehicle battery. The remote monitor lets you see how much power you have remaining and how long until your batteries are fully charged. You'll never accidentally flatten your battery again!



#### Need more information?

Scan this QR code with your smart phone. If you don't have a QR code reader they are available free of charge from your phone's app store.

## Monocrystalline panel connection - standard setup



### Specifications

| Model                         | SMR1040                         | SMR1080              | SMR1120              | SMR1150              |
|-------------------------------|---------------------------------|----------------------|----------------------|----------------------|
| Nominal cell efficiency       | 17.0%                           | 18.0%                | 18.0%                | 19.0%                |
| Peak power                    | 40.0W                           | 80.0W                | 120.0W               | 150.0W               |
| Maximum power voltage         | 17.6V                           | 18.0V                | 18.0V                | 18.5V                |
| Maximum power current         | 2.2A                            | 4.4A                 | 6.6A                 | 8.1A                 |
| Open circuit voltage          | 21.8V                           | 22.2V                | 22.0V                | 22.5V                |
| Short circuit current         | 2.7A                            | 4.8A                 | 7.2A                 | 8.6A                 |
| Solar cell type               | Monocrystalline                 |                      |                      |                      |
| Backing material              | Anodised aluminium              |                      |                      |                      |
| Operating temperature         | -40°C to +85°C                  |                      |                      |                      |
| Standard test conditions      | AM1.5 1000W/m <sup>2</sup> 25°C |                      |                      |                      |
| Power/temperature coefficient | -0.47%/°C                       |                      |                      |                      |
| Dimensions                    | 597 x 540<br>x 25mm             | 1005 x 540<br>x 35mm | 1040 x 808<br>x 35mm | 1210 x 808<br>x 35mm |
| Net weight                    | 4.0kg                           | 6.5kg                | 11.0kg               | 12.0kg               |
| Certification                 | CE, RoHS                        |                      |                      |                      |

#### \*Warranty information

Redarc Electronics guarantees satisfactory operation of this product to the original purchaser for two years from the purchase date on receipt of proof of purchase.



N3533

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