

# Relax, stay in charge with The Manager30



The REDARC Manager30 is a state-of-the-art battery management system designed to charge and maintain auxiliary batteries by incorporating AC, DC and solar inputs. It is ideal for recreational vehicles, caravans and camper trailers with multiple battery banks.

Whether you're using lead acid, gel, calcium, AGM or lithium iron phosphate batteries, the Manager30 represents a complete battery charging and maintenance solution.

If you're charging one auxiliary battery or more, The Manager30 will ensure they're always fully charged, providing peace of mind when using the comforts of home while travelling around North America.

Stay in charge with The Manager30 from REDARC.

## Six products in one...

- DC In-vehicle battery charger
- 110 volt AC shore mains power charger
- MPPT solar regulator
- Dual battery isolator
- Load disconnect controller
- Remote battery monitor



# Battery Management Systems

The REDARC Manager30 is the battery management system that puts you in charge. Boasting 30 amps of current output, The Manager30 will allow you to get away from populated powered campsites.

You can keep your auxiliary batteries charged from 110 volt AC mains shore power, your vehicle start battery and solar panels.

Developed with ease of installation in mind, The Manager30 is compatible with all vehicles and alternator systems including variable voltage alternators.

Designed and manufactured in Australia for the harshest conditions, using the latest electronic and design technology, The Manager30 will get you to where you want to go - and back again - with complete confidence.

**Lithium profile** - Lithium batteries have improved storage capacity relative to size and weight. They do however require specific charging conditions in order to operate correctly and the battery itself must have an in-built cell management system. REDARC have designed a charging profile to complement these in-built systems.

**Green power priority** - The Manager30 is designed to charge an auxiliary battery from multiple sources simultaneously. If 12 volt solar power is available, solar power will be used before topping up the output charging current from another source; mains (if available) or DC vehicle power when on the move.

**MPPT solar regulator** - the built-in Maximum Power Point Tracking (MPPT) solar regulator allows The Manager30 to deliver the maximum amount of power from your solar panels, even during low light conditions.

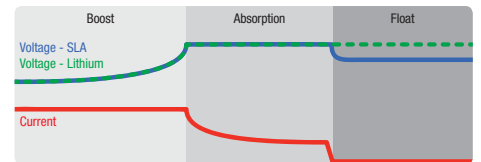
**Remote monitor** - designed to show you auxiliary battery information and charge status. You can customize how your battery is charged and monitor where the charge is coming from. The monitor's user-friendly, graphical display lets you know what's going on, keeping you in control at all times.

BMS1230S2-NA	
Output current	30A
Input voltage range	AC 110-130V AC 50-60Hz
	Vehicle DC 9-30V
	Solar DC 9-30V
Output power	520W
Operating temperature*1	-40°F to +176°F
Main unit dimensions	17.5" x 7.3" x 3.1"
Remote monitor dimensions	7.3" x 2.9" x 1.1"
Weight	12.1lb
Warranty	Two years

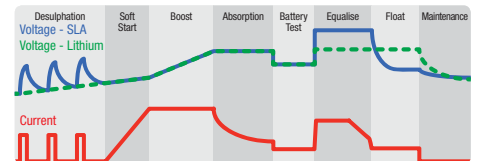
## Multi-stage charging process

Two different multi-stage DC-DC charging profiles fully charge auxiliary batteries.

Touring mode - designed for use when 'on the road'. It offers a 3 stage\*2 charging profile consisting of boost, absorption and float. Touring mode will charge your auxiliary battery to its optimal level whilst allowing you to run loads from the battery.



**Storage mode** - designed to keep your auxiliary battery charged whilst your caravan/camper is in storage by using an 8 stage\*3 charging profile.



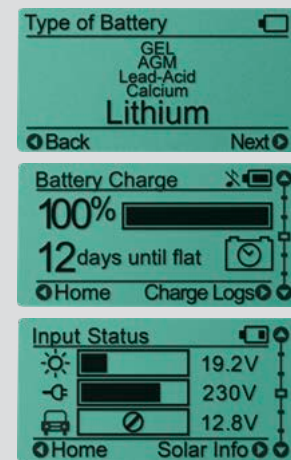
Sophisticated fault detection sensors monitor the battery conditions during all stages of charging, keeping you and your caravan/camper safe.

## All the information you'll ever need!

The Manager30 remote battery monitor display is designed to provide useful information rather than simply displaying battery voltage and current.

Based on your power usage, The Manager30 uses these figures to calculate how much power you have remaining in hours and days.

The Manager30 can also graphically show where your power input is coming from. Solar is the priority and will provide as much usable input power as possible.



Visit [redarcelectronics.com](http://redarcelectronics.com) for more information

For product support contact your regional distributor - a complete list can be found at [redarcelectronics.com/distributors](http://redarcelectronics.com/distributors) - or send an email to [power@redarcelectronics.com](mailto:power@redarcelectronics.com)

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### International head office

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 South Australia, Australia 5160

8am to 5.30pm Australian Central Standard Time, Monday to Friday

\*1 The Manager30 will only charge the battery when the battery temperature is between 32°F to 140°F in order to protect the battery from damage.

\*2/3 Depending on the battery type some stages are omitted from the profile.

Part number BMS1230S2-NA

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