

New management position!

The Manager30, the bigger, better battery management system – with 'Lithium Profile'



THE POWER OF
REDARC®

The Manager30 is a state-of-the-art battery management system that is ideal for recreational vehicles, caravans and camper trailers with multiple battery banks.

It comes with a lithium profile enabling you to charge the new wave of LiFePO₄ batteries (lithium iron phosphate) as well as traditional lead acid, gel, calcium and AGM batteries.

You can keep your auxiliary batteries charged from 240 volt mains power, your car battery and solar panels. And it is rated at a big 30 amps so it knows how to take charge.

Designed and manufactured in Australia for Australian 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.

Six products in one

- DC In-vehicle battery charger
- 240 volt AC battery charger
- MPPT solar regulator
- Dual battery isolator
- Load disconnect controller
- Remote battery monitor



THE MANAGER30
BMS1230



MADE IN AUSTRALIA



The Manager30 is a complete battery management system for charging auxiliary batteries used in automotive applications by incorporating AC, DC and solar inputs to achieve the best charge. Developed with ease of installation in mind, The Manager30 is compatible with all vehicles and alternator systems including variable voltage alternators.

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.

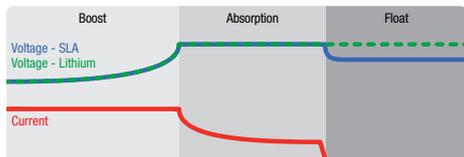
MPPT solar regulator - the built-in Maximum Power Point Tracking (MPPT) solar regulator allows The Manager30 to deliver the maximum amount of power from your solar panels, even during low light conditions.

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

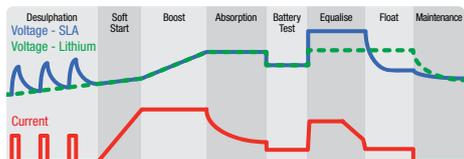
Multi-stage charging process

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* 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* charging profile.



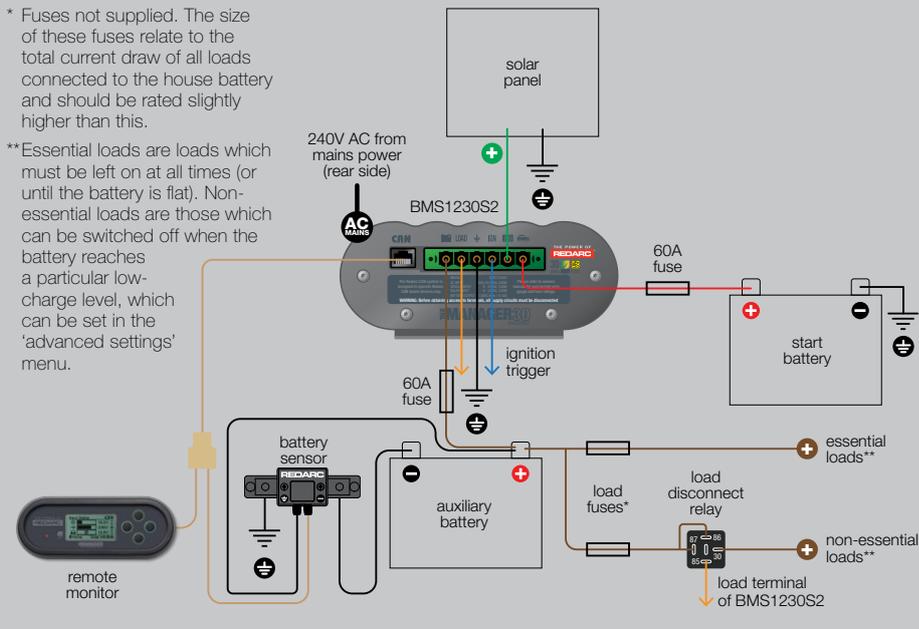
Sophisticated fault detection sensors monitor the battery conditions during all stages of charging, keeping you and your caravan/camper safe.

Visit redarc.com.au for more information. The Manager30 is available at your nearest auto electrician or 4WD speciality store.

The Manager30 standard installation (12 or 24 volt)

* Fuses not supplied. The size of these fuses relate to the total current draw of all loads connected to the house battery and should be rated slightly higher than this.

** Essential loads are loads which must be left on at all times (or until the battery is flat). Non-essential loads are those which can be switched off when the battery reaches a particular low-charge level, which can be set in the 'advanced settings' menu.

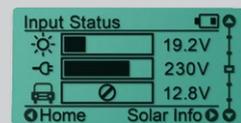
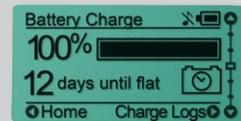


All the information you'll ever need!

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.



Specifications

Part number	BMS1230S2	
Output current	30A	
Charging mode	Storage mode	Touring mode
Lithium (max)	14.6V [†]	14.6V [†]
GEL setting (max)	14.4V [†]	14.4V [†]
AGM setting (max)	14.4V [†]	14.4V [†]
Calcium setting (max)	16.0V [†]	15.2V [†]
Standard lead acid (max)	15.5V [†]	14.8V [†]
Operating temperature [‡]	-40°C to +80°C	
Weight	5.5kg	
Dimensions	Main unit - 445mm x 185mm x 79mm Remote unit - 186mm x 74mm x 29mm	
EMC compliance	RCM, AS/NZS, CISPR11	
Safety compliance	AS/NZS 60335.2.29, AS/NZS 60335.1	
Environmental compliance	RoHS	
Warranty	2 years	

* Depending on the battery type some stages are omitted from the profile.

[†] Voltages stated above are nominal and may vary slightly from that specified. Contact REDARC if further information is required.

[‡] To protect the battery from damage the BMS1230S2 will only charge the battery when the battery temperature is between 0°C and +60°C.



Want to know more?

Scan this QR code with your smartphone to go to the Redarc website



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