

Smart Start[®] BMS. You'll wonder how you ever managed without it.

The Smart Start[®] Battery Management System is a complete battery charging and maintenance solution for recreational automotive and marine applications. It incorporates AC, DC and solar inputs to achieve the best charge to a house battery in your caravan or camper trailer.

The Smart Start[®] BMS includes a remote control designed to give you battery information and charge status along with critical system information, while charging is in progress.

Primary benefits

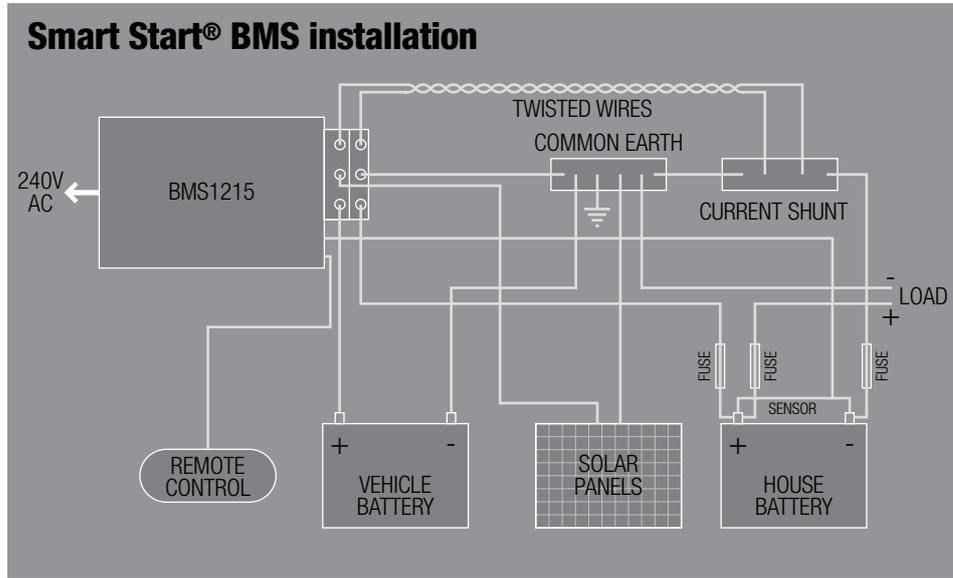
- Optimum charging of your house batteries
- Saves you money by reducing installation time and extending battery life
- Ensures you are safe and secure
- No input is needed from the user
- Super quiet and extremely reliable
- Tested and certified for extreme conditions



REDARC[®]
THE POWER CONVERSION SPECIALISTS

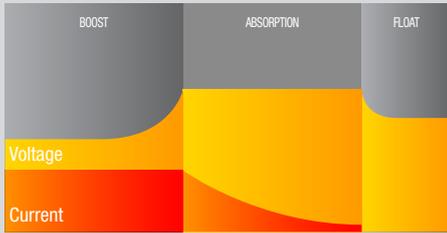
The Smart Start® Battery Management System incorporates an AC 240V multi-stage charger, MPPT solar regulator, DC-DC multi-stage charge system, battery monitor and vehicle battery isolator... it is five products in one neat, compact package!

Best of all, the Smart Start® BMS automatically selects between charging sources, requiring no input from you.

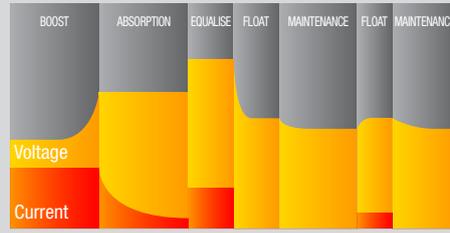


The Smart Start® BMS incorporates two multi-stage charging profiles; "Touring" (three stage) and "Storage" (five stage).

Touring - three stage charging process will charge your battery whilst you are on the road travelling.



Storage - five stage charging process designed to keep your battery charged whilst your caravan/camper is in storage.



Smart Start® BMS specifications

	Storage mode	Touring mode
GEL setting (max)	14.4V	14.4V
AGM setting (max)	14.4V	14.4V
Calcium setting (max)	16.0V	15.2V
Standard lead acid setting (max)	15.5V	14.8V
Main unit dimensions	350mm x 185mm x 79mm	
Remote dimensions	186mm x 74mm x 29mm	
Kit weight	2.43 kg	
Operating temperature (max)	55°C	
Efficiency	> 92%	
Output power	260W	
C-tick compliance	EMC-CISPR.11	
Safety compliance	AS/NZS 60335.2.29, AS/NZS 60335.1	
Environmental compliance	ROHS Compliant	
Warranty	Two years	

Features and benefits

- The Smart Start® BMS has no fan, it is super quiet and very reliable.
- The Smart Start® BMS is designed and manufactured in Australia, for Australian conditions, using the latest electronic and design technologies. It is manufactured with high-quality components to ISO9001 quality and ISO14001 environmental standards and backed with Redarc's quality service and two-year warranty.
- The Smart Start® BMS's multi-stage DC-DC charging enables fast, 100% charging of your house battery, even if it has different chemical characteristics from the vehicle battery. The input voltage can be above, equal to or below the output voltage.
- The Smart Start® BMS's MPPT solar regulator allows optimum power output from your solar panels, even in low sunlight conditions.
- State of Charge (SOC) indication means you will always know how full the battery is and how much longer it will need to achieve full charge. An easy-to-operate, high-quality and user-friendly liquid crystal display (LCD) module lets you know what's going on at all times.
- The Smart Start® BMS is very reliable and includes in-built, non-sparking battery connection, reverse polarity protection without fuses and short circuit protection. The unit has undergone stringent safety, environmental and electrical testing.
- The unit's easily-configurable charging profiles make it suitable for charging all battery types commonly used in modern caravans and motorhomes.
- The unit disconnects automatically from the vehicle battery, so the house load does not flatten the vehicle battery.
- The Smart Start® BMS has a separate battery temperature sensor for automatic temperature compensation and cut-out.
- Sophisticated fault detection monitors the battery condition during all stages of charge, keeping you and your caravan/camper/RV safe.

See the Redarc BMS at your nearest automotive parts dealer



Redarc Electronics

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