



ALL CHARGED UP

REDARC NEWS - AUTUMN 2024



ANNOUNCING THE NEW MANAGER ALPHA

YOUR OFF-GRID ADVENTURES ARE SET TO BE EVEN BETTER WITH THE NEW MANAGER ALPHA ON BOARD.

Smaller, lighter, and more powerful, REDARC's revolutionary three-way battery charger is almost here. REDARC are excited to introduce their new range of power management systems, Manager Alpha. Available in 50A, 75A and 100A capacities, the Manager Alpha redefines mobile power management.

Modern explorers are looking to spend more time away, but don't want to sacrifice modern comforts and conveniences. At up to 55% smaller and 28% lighter than comparable competitor systems, the Manager Alpha will maximise your vehicle's capacity and leaving room for those adventure essentials and creature comforts.

The Manager is the only charger to charge from AC, DC and solar allowing you to charge while you drive, while plugged in at camp or from the sun. This makes it an ideal companion whether you're driving, soaking up the sun at a remote camping spot, or at a caravan/RV park.

The Manager Alpha100 delivers an unrivalled 100A from a combination of available power sources, including solar. On top of this, the Manager Alpha boasts a charge rate that's more than three times faster than that the Manager30. With this much power on tap you can run everything from induction cooktops to air conditioners, to fridges and lights, and still charge your batteries faster than you can drain them.

Not just a charging powerhouse for your secondary battery, the Manager Alpha can also take care of your start battery. When your auxiliary battery is fully charged, the Manager will begin to deliver up to 25A to the vehicle's start battery automatically. Better yet, if disaster strikes and your start battery goes flat, with the touch of a button the Manager Alpha can bring your start battery back to life.

With RedVision connectivity thanks to the included Smart Battery Monitor, stay informed and in control of your system. Access accurate, real-time monitoring through REDARC's RedVision app or included RedVision display, offering state of charge, remaining charge, and current flow. Don't sacrifice modern comforts, focus on the adventure ahead knowing that you'll never run out of power again with the Manager Alpha.

With limited availability on release, register your interest in the Manager Alpha at redarcelectronics.com/au/manager-alpha

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BUSINESS UPDATE

We want to see your adventures on the recently-launched REDARC Rigs Instagram page.

REDARC



REDARC RIGS

NEW PLATFORM WELCOMES CONTENT FROM THE REDARC COMMUNITY.

As REDARC grows globally, we're streamlining our social media. The REDARC Electronics Instagram and REDARC Electronics Facebook are now the primary hubs for all content, including collaboration with you, our valued customers.

Meanwhile, the REDARC USA Facebook page has been discontinued and what was formerly REDARC USA has been transformed into REDARC Rigs.

This is a user-generated platform showcasing community installs and hosting competitions for REDARC swag. Tag us in showcasing your customers' builds and install of REDARC products.

Follow us on these channels to stay connected with our latest updates and be part of the REDARC community's exciting journey.

Find **REDARC Rigs on Instagram** through @redarc_rigs.

Find **REDARC Electronics on Instagram** through @redarc_electronics.

NEW PRODUCT

Power up with REDARC's Integrated Power System, a compact, all-in-one solution for reliable canopy power.



REDARC LAUNCHES NEW ALL-IN-ONE POWER SYSTEM.

REDARC Electronics are thrilled to announce the launch of their all-new Integrated Power System. This all-encompassing system brings together REDARC's trusted power devices into a single, compact, all-in-one solution delivering reliable canopy power.

Featuring our advanced 2000W RS3 inverter, the system can power a wide range of equipment, from induction cooktops to power tools, with ease. Additionally, the inclusion of the Manager30 and the Revision display delivers efficient battery management and monitoring.

Designed with simplicity in mind, the system arrives fully assembled, pre-wired, and mounted on a robust, powder-coated metal frame. Installation is as easy as it gets - just

mount it, connect your batteries and you're ready to go in minutes.

Proudly assembled and wired in Australia, the REDARC Integrated Power System is built to withstand the rigours of adventure, it's all about power, performance, and peace of mind.

REDARC's New Product Development Product Manager Jaidan Watson says one of the goals was empower road travellers everywhere.

"We wanted to improve our customers' experience by providing a compact all-in-one solution that reduces the complexities of wiring, empowering even the busiest adventure-seekers allowing them to hit the road with ease and confidence, knowing

they're backed by the reliability they expect from REDARC."

The power system won't hog your canopy space being up to 34% more compact than comparable units, leaving room for adventure essentials. The system seamlessly integrates into vehicle canopies and offers a streamlined power experience, making it the ultimate power companion for remote travel.

Like all REDARC products, the new Integrated Power System is backed by nation-wide support, including a hassle-free warranty, REDNetwork certified installer network and after-sales service to answer any questions.

To learn more visit redarcelectronics.com/au/integrated-power-system

REDARC is pleased to support VASA with the REDARC Young Technician of the Year award.

SUBMISSIONS OPEN FOR YOUNG TECHNICIAN OF THE YEAR.

Applications are now open for the REDARC Young Technician of the Year award.

Led by not-for-profit organisation VASA, applicants need to be under the age of 30 and working in a current VASA member business.

The award aims to recognise outstanding young individuals who have demonstrated initiative and serves as a platform to celebrate and encourage the talent and potential of the younger generation.

Leadership and personal growth are promoted by highlighting the achievements of young leaders, motivating other aspiring individuals to develop their skills, talents, and

leadership qualities, creating a ripple effect of positive improvement in the industry.

The winner will receive a \$5,000 retail value prize of items of their choosing from the current REDARC catalogue.

Submissions will close June 30, 2024 with the winner announced late July 2024, to allow arrangements for travel to the 2024 VASA Wire and Gas Convention where the award will be presented.

The applications will initially be judged by select members of the VASA board, scoring each of the 8 categories a possible score of 1 to 10, with a maximum possible score of 80.

Board members will compare their scoring results, determining a top 10 list of submissions.

The top 10 submissions will be presented to a panel of 5 esteemed judges comprising of the President of VASA, industry experts and leaders and a representative from REDARC.

VASA represents the technicians, professional service centres, suppliers and original equipment manufacturers of the automotive air conditioning, electrical and thermal management industry in Australia and New Zealand.

To enter visit redarcelectronics.com/au/young-technician-of-the-year-award



VASA'S ROLE IN THE INDUSTRY

The fast-moving nature of vehicle technology makes it more challenging yet increasingly important for technicians to keep their knowledge and skills up-to-date, a prime example being the changes now happening in vehicle climate control with new refrigerants and regulations on the horizon.

It means more knowledge and skills are needed to stay ahead of the game and crucially, keep impressing your customers – and winning new ones – with your professionalism and excellent service.

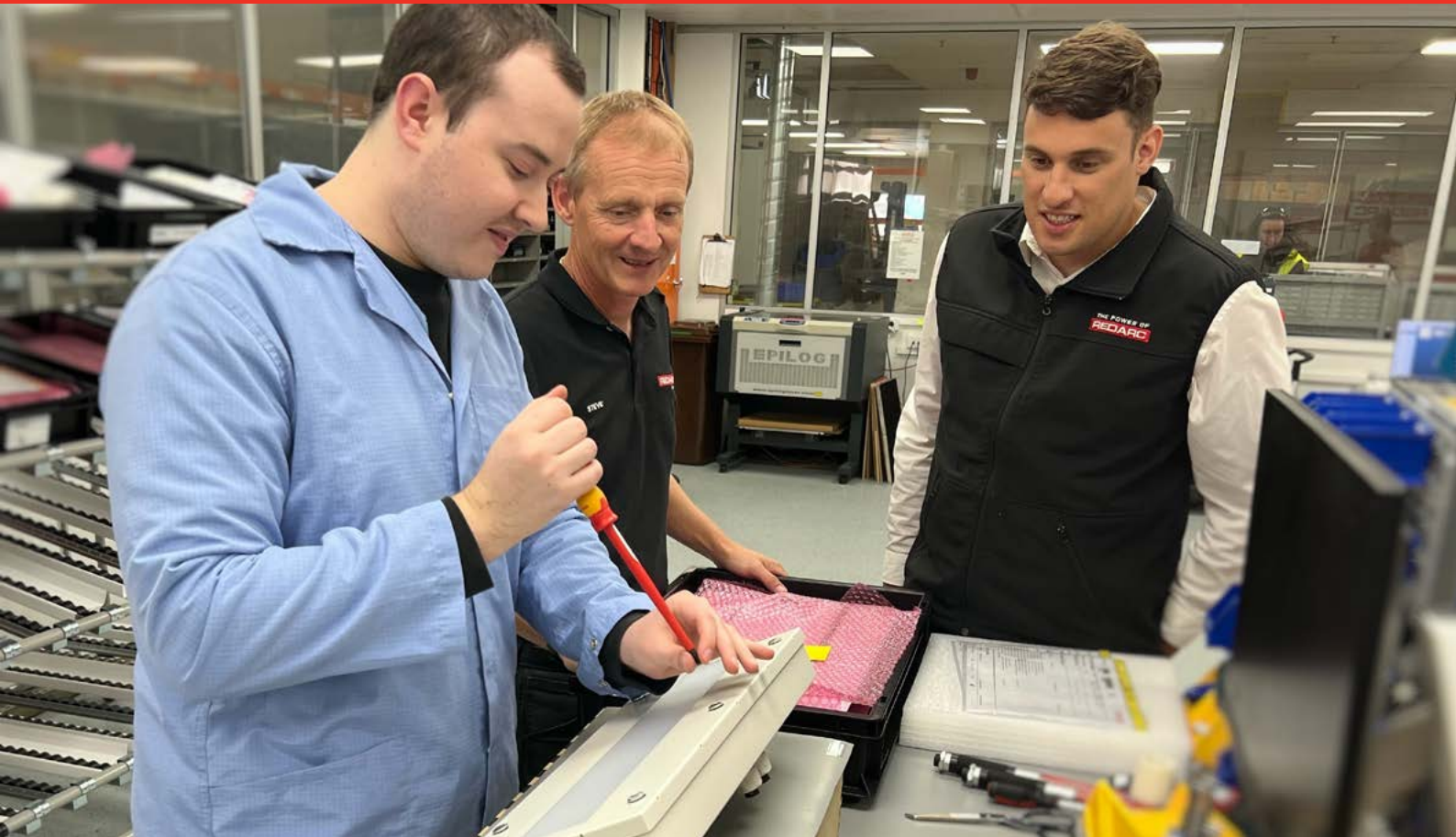
What if you could tap into the decades of experience earned by those who went down the specialist route and had access to all their air conditioning, auto electrical and engine cooling knowledge?

VASA – set up to represent air conditioning, auto electrical and engine cooling specialists across Australasia – has recognised this market shift and created a range of exclusive member services aimed at helping workshops conquer these new challenges.



Driving Industry Excellence

The Defence & Space team is thrilled to announce the successful completion and approval from ASC Shipbuilding Pty Ltd.



REDARC DEFENCE & SPACE SUCCESSFULLY COMPLETES ENHANCED PRODUCTION READINESS REVIEW FOR HUNTER CLASS FRIGATE PROGRAM.

REDARC Defence & Space celebrates a significant milestone in their partnership with BAE Systems Australia for the Hunter Class Frigate Program.

The company has successfully completed the rigorous Enhanced Production Readiness Review (EPRR) process, receiving approval from ASC Shipbuilding Pty Ltd, a subsidiary of BAE Systems Australia.

This achievement signifies REDARC's commitment to delivering high-quality lighting assemblies that meet the stringent standards set by MARL International Limited, the UK-based original equipment manufacturer.

The EPRR ensures that REDARC's production processes and manufactured

products are equivalent to those of MARL, guaranteeing reliability and performance.

Fulfilling a \$23 million contract.

Under a \$23 million contract with BAE Systems Australia, REDARC Defence & Space is supplying thousands of LED lights for the Hunter Class Frigate program. This collaboration involves a technical transfer with MARL International, enabling REDARC to manufacture various lights for each frigate, including:

- Bunk and flood lights
- Weather deck and step lights
- General and emergency lights

In late 2023, the MARL team joined REDARC Defence & Space at the Cooroora facilities to conduct critical

testing of the 13 initial lighting assemblies. This comprehensive process ensured all components meet the demanding specifications of the Hunter Class Frigate Program.

The Hunter Class Frigates represent the next generation of anti-submarine warfare vessels currently under construction for the Royal Australian Navy.

REDARC is actively scaling up production to meet the demands of the program, with over 1,700 luminaires planned for the inaugural vessel.

This commitment not only reinforces REDARC's dedication to Australian Industry Capability but also demonstrates the unwavering support for the Royal Australian Navy.

RedNetwork members will now have a local point of contact to share ideas and opportunities to be discussed by the new council.

REDNETWORK ESTABLISH NEW ADVISORY COUNCIL.

A newly-formed RedNetwork Advisory Council is set to open new conversation pathways.

Being part of the RedNetwork means members have the unique opportunity to provide input and influence in the development of new products and opportunities.

The addition of the council gives members a local contact point to share identified opportunities as well as needs in their business.

These ideas can then be brought to council meetings to be discussed and addressed

with collaboration with REDARC. This will help businesses in the industry stay ahead of trends and be more prepared for challenges.

Opening this new avenue of communication will also help build the relationship between REDARC and network members.

The inaugural meeting was held virtually in late January, and it is envisaged the council will meet four times a year.

What is the RedNetwork?

The RedNetwork are a group of professional auto electrical businesses located

throughout Australia and New Zealand who have been certified by REDARC to install REDARC products.

The installers are some of the most experienced, trusted and qualified in the industry, able to provide quality installation, service and workmanship.

There are currently 98 members in the RedNetwork. If you are interested in joining, visit redarcelectronics.com/au/rednetwork

THE COUNCIL MEMBERS.



Michael Sukker - Access Auto Electrics, Ashgrove, Brisbane (Qld)



Josh Douch - Voltaic Auto Electrical, Welshpool, Perth (WA)



Gareth Thompson - GT Auto Electrix, Hillcrest, Auckland (NZ)



Tim Byrne - Belair Road Auto Electrical, Kingswood, Adelaide (SA/NT)



Fletcher Lehmann - Maroondah Auto Electrical, Bayswater North, Melbourne (Vic/Tas)



Laura and Mitch Bell - Twelve Australia, Port Macquarie (NSW)

This tech tip helps you through troubleshooting if you tow-pro flashes blue and green. It applies to the Tow-Pro Elite Electric Brake Controller V2 and Tow-Pro Elite Electric Brake Controller V3.



WHY IS MY TOW-PRO FLASHING BLUE AND GREEN?

WHAT DOES THE BLUE AND GREEN FLASHING MEAN?

The Tow-Pro Elite is in calibration mode.

WHY DOES THE TOW-PRO ELITE NEED TO CALIBRATE?

The Tow-Pro Elite calibrates to determine the vehicle's direction of travel and to 'learn' its mounting orientation. This process occurs when the vehicle is moving and the brake is applied, and will occur with or without a trailer connected. The unit will perform a calibration when it's first installed or reconnected to the direct power source.

Until the Tow-Pro has completed a calibration cycle, it will function as if in User-Controlled mode. This is indicated by the LED glowing green with blue flashes and, as the calibration cycle progresses, the length of the blue flash will increase, to the point that the LED is solid blue, this indicates that the Tow-Pro is now operating in Proportional mode. Under normal driving conditions the Tow-Pro Elite will calibrate within 20 brake applications.

Note that applying the brake while the vehicle is stationary will not assist with



calibration. If no trailer is connected, calibration may occur as normal without any indication from the LED

DIDN'T EXPECT MY TOW-PRO TO ENTER CALIBRATION MODE?

If your Tow-Pro has gone into calibration mode and it hasn't just been recently installed or experienced a power cycle, like a disconnection of the starting battery, then the calibration might be due to a power cycle occurring for the Tow-Pro.

This is usually due to:

- A malfunctioning circuit breaker can intermittently cut power to the Tow-Pro which results in the Tow-Pro resetting and requiring re-calibration.
- A loose or defective connection on either the power (black) or ground (white) wire to the Tow-Pro unit.

HOW TO COMPLETE THE CALIBRATION PROCESS

Although the Tow-Pro will calibrate automatically during regular vehicle operation, a 'quick calibration' as detailed below can be carried out if immediate

towing is required after installation and/or a power cycle. The following process can be carried out with or without a trailer connected however if a trailer is not connected there will be no indication from the Tow-Pro Elite's remote head. Please make sure to adhere to all traffic regulations and ensure that there are no vehicles trailing closely behind you before engaging in braking manoeuvres.

QUICK CALIBRATION PROCESS

1. Gradually raise the vehicle's speed to around 60km/h.
2. Employ a consistent and firm application of the brakes to decelerate the vehicle.
3. Once the vehicle has slowed down to approximately 20km/h, accelerate the vehicle back up to a speed of 60km/h.
4. Continue to repeat this sequence until the Tow-Pro's remote head displays a solid blue indicator (trailer connected).

In cases where there is no trailer attached, it is recommended to repeat this process approximately ten times.

IN THE COMMUNITY

The REDARC team is out and about at trade shows around Australia and New Zealand over the coming months.



REDARC ON THE ROAD.

APRIL

- 11 Australian Auto Aftermarket Expo
- 16 - 21 April Rosehill Caravan and Camping Show

MAY

- 18 - 19 Christchurch Motorhome, Caravan and Leisure Show

JUNE

- 4 Brisbane Caravan and Camping Show

VISIT REDARC.COM.AU TODAY

Free Tech Advice - 1300REDARC (1300 733 272)

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