

THE POWER OF

REDARC

PRE-WIRED
POWER PANELS



REDWORKS

MORE POWER TO YOU.



THE AUSTRALIAN MADE ADVANTAGE

Born and bred in South Australia, REDARC has been powering adventure for over 45 years. Our products are trusted by explorers and weekend warriors alike, because we don't just build electronics, we build confidence.

Your first and only choice. Nobody designs, engineers, builds, or tests market-leading solutions like we do. Designed and built in our world-class Australian manufacturing facility, our rugged and reliable solutions are designed to thrive where others can't. We know this because we test our products in state-of-the-art in-house environmental and vibration testing facilities, to simulate years of use in days.

Every REDARC product is backed by industry-leading technical support and a commitment to world-class customer service, so you're never alone. We don't compromise on quality. So, wherever your journey takes you, REDARC will get you there and back.

At REDARC, Australian Made isn't just a badge, it's an advantage.



**BUILT TOUGH
IN AUSTRALIA**



**TESTED FOR
THE WORLD'S
HARSHEST
CONDITIONS**



**AUSTRALIAN
CUSTOMER
SERVICE**





POWER SIMPLIFIED, FOR EVERY EXPLORER.

When it comes to powering your adventures, there's no room for guesswork.

With REDWorks, simplicity doesn't mean compromise. It means you're equipped with a seamless, all-in-one power solution that delivers professional performance with zero hassle. Whether you're on an adventure or on the job, REDWorks streamline your setup, delivering peak efficiency so you can spend less time on the details and more time powering your passions.



WE DO THE THINKING FOR YOU

All-in-one solution that takes the guesswork out of 12V power. No complex decisions, no complicated setup, just a simple, ready-to-go solution that lets you spend less time planning and more time exploring.



SPACE SAVING FOOTPRINT

A complete off-grid power solution without the clutter. Compact by design, with no wasted space, Redworks leaves you with more space to pack the essentials.



FAST AND EASY INSTALL

Plug'n'play, pre-wired and simple to mount. Installs in half the time of individual components and get powered up faster with a true set-and-forget solution.



AUSTRALIAN MADE

Each tough, powder-coated panel is designed, built and tested in Australia and backed by market leading technical support and Australia wide after sales service.



ESSENTIAL POWER MADE EASY.

A compact dual battery system with battery monitoring, REDWorks Scout panels are ideal for weekend adventurers who want reliable power without the complexity. Whether you're keeping the fridge cold or the lights on after dark, Scout is your no-fuss companion for simple set-ups.



CHARGE ON THE GO

Charge while you drive, or anytime the sun is out with the most capable DC charger on the market and an in-built MPPT solar regulator. Green Power Priority® charges from both sources simultaneously, prioritising Solar to minimise the load on your vehicle alternator.



FUEL GAUGE FOR YOUR BATTERIES

Get accurate, real-time battery tracking, with state of charge and time remaining delivered straight to your mobile device, so you can stay focused on the adventure ahead.



READY-TO-GO POWER

Connect your essentials in seconds with easy-access Anderson plugs. Whether it's a fridge or a solar panel, your system's ready when you are.



OUT OF SIGHT, OUT OF MIND

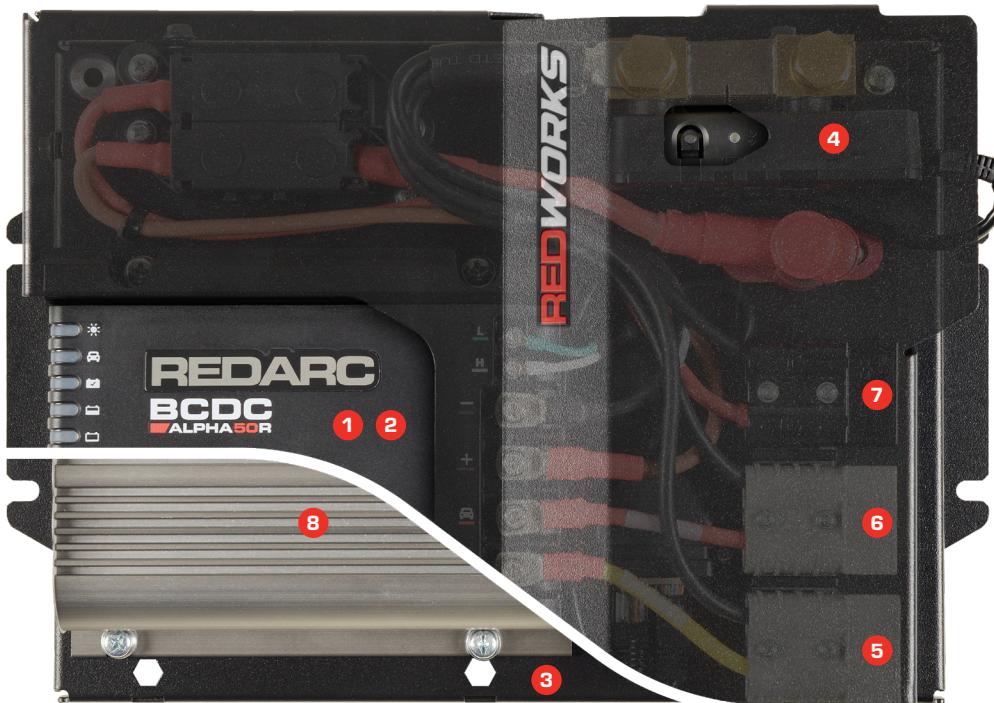
Built for tight spaces, Scout fits behind drawers, under seats, or in places no other full system can, delivering serious capability without stealing your space.

SCOUT

SCOUT25 | ICMS-015-001

SCOUT40 | ICMS-015-002

SCOUT50 | ICMS-015-003



SCOUT25

25A
CHARGE RATE

SCOUT40

40A
CHARGE RATE

SCOUT50

50A
CHARGE RATE

Dimensions

330 × 235 × 76 mm

Weight

3.6 kg / 3.7 kg

1 START BATTERY MAINTENANCE

Scout50's Start Battery Charging uses excess solar to keep your start battery topped up. Additionally, Start Battery Recovery will recover a flat start battery in just 15 minutes without jumper leads.

2 EV/HYBRID READY

Compatible with all common battery types, including lithium, and featuring over-the-air updates, Scout panels ensure your system is future ready. Scout50 can even limit input current, ideal for hybrid and EV's.

3 COMPACT POWER

At the size of an A4 piece of paper, these panels deliver up to 50A of charging from both DC and solar sources - maximising performance, whether you're parked up or on the move.

4 LIVE SYSTEM MONITORING

Track your system performance in real-time through RedVision. Have full visibility of your battery's state of charge, remaining run time, and input/output current from your smartphone. The LED interface on the BCDC charger also gives clear status and fault indicators.

5 SOLAR ANDERSON™ INPUT

Whether its portable or fixed, plug in solar to charge from the sun, with a built in MPPT Solar regulator and with Green Power Priority® technology, the BCDC charger will prioritise solar for maximum efficiency whilst reducing the load on your alternator.

6 VEHICLE ANDERSON™ INPUT

Charge up to 50A directly from the alternator while driving, so whether you're heading to camp or the worksite your system is charged and ready to go.

7 50A ANDERSON™ OUTPUT

The 50A Anderson™ SB50 output is ideal for high-power devices drawing up to 50A, such as 12V fridges, large compressors, or electric jacks.

8 FAST & EFFICIENT CHARGING

Charge all common automotive battery types including heated and standard Lithium (LiFePO₄). The included BCDC Charger features LED indication for clear communication of the charge process and fault detection.



POWER THAT GROWS WITH YOU.

A scalable dual battery system with built-in battery monitoring, REDWorks Nomad panels are designed for travellers who are adding more gear or staying off-grid a little longer. Whether it's lights, a compressor or a few creature comforts, Nomad gives you the flexibility to power more, without complicating your setup.



CHARGE ON THE GO

Featuring an ultra-efficient MPPT solar regulator, the BCDC will charge from the vehicle and solar simultaneously. Built in Green Power Priority® will prioritise solar input, minimising the load on your alternator and saving fuel.



FUEL GAUGE FOR YOUR BATTERIES

Get accurate, real-time battery tracking, with state of charge and time remaining delivered straight to your mobile device, so you can stay focused on the adventure ahead.



BUILT TO EXPAND

Add more gear without fuss thanks to the integrated fuse block, keeping your wiring neat, protected, and ready for whatever comes next.

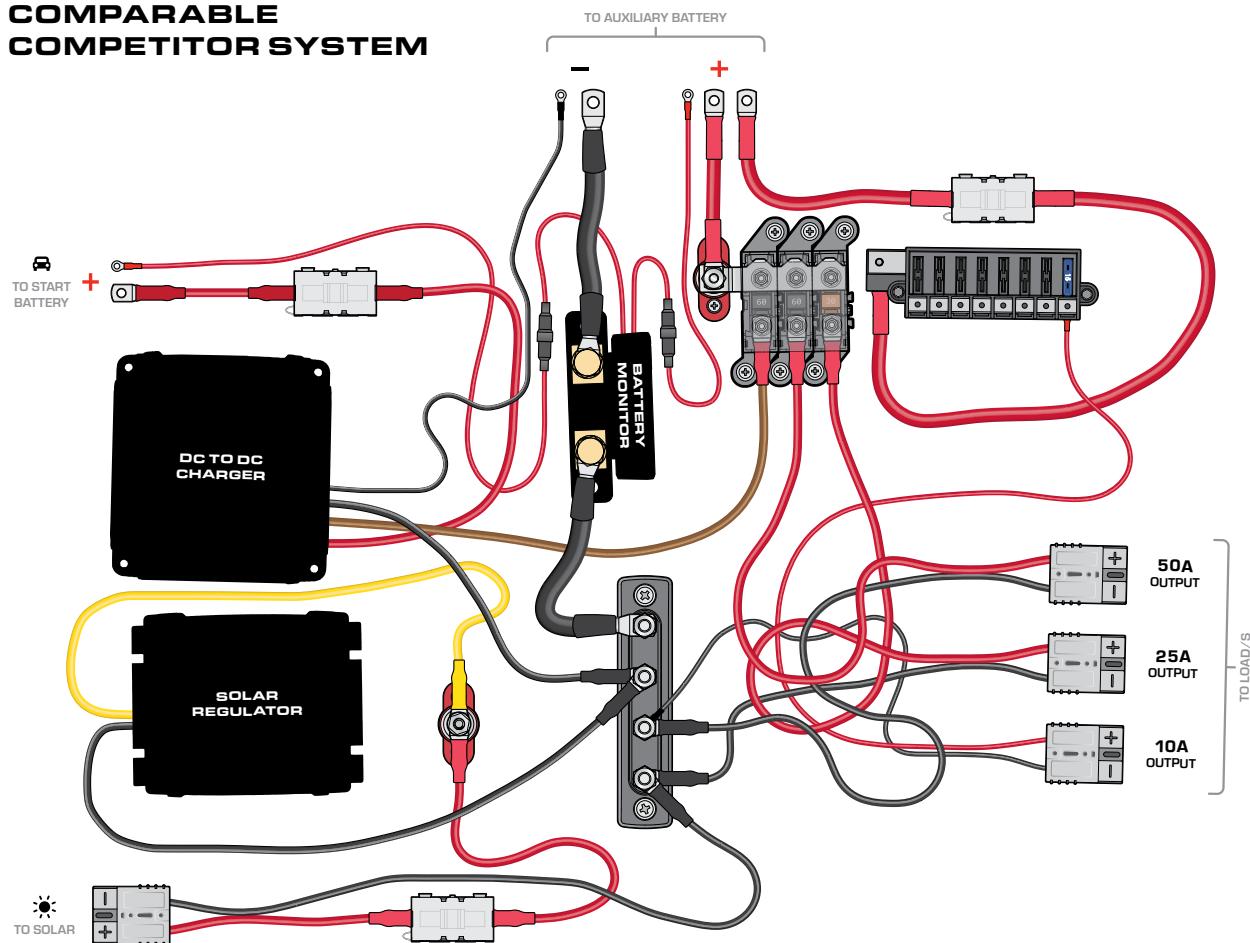


READY-TO-GO POWER

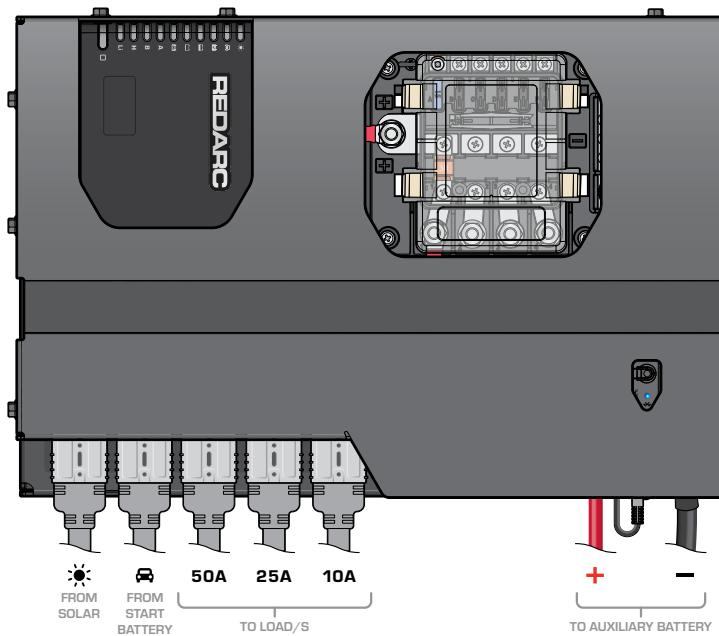
Connect your essentials in seconds with easy-access genuine Anderson™ plugs. Whether it's a fridge or a solar panel, your system's ready when you are.

DUAL BATTERY SYSTEM MADE SIMPLE.

COMPARABLE COMPETITOR SYSTEM



REDWORKS POWER PANEL

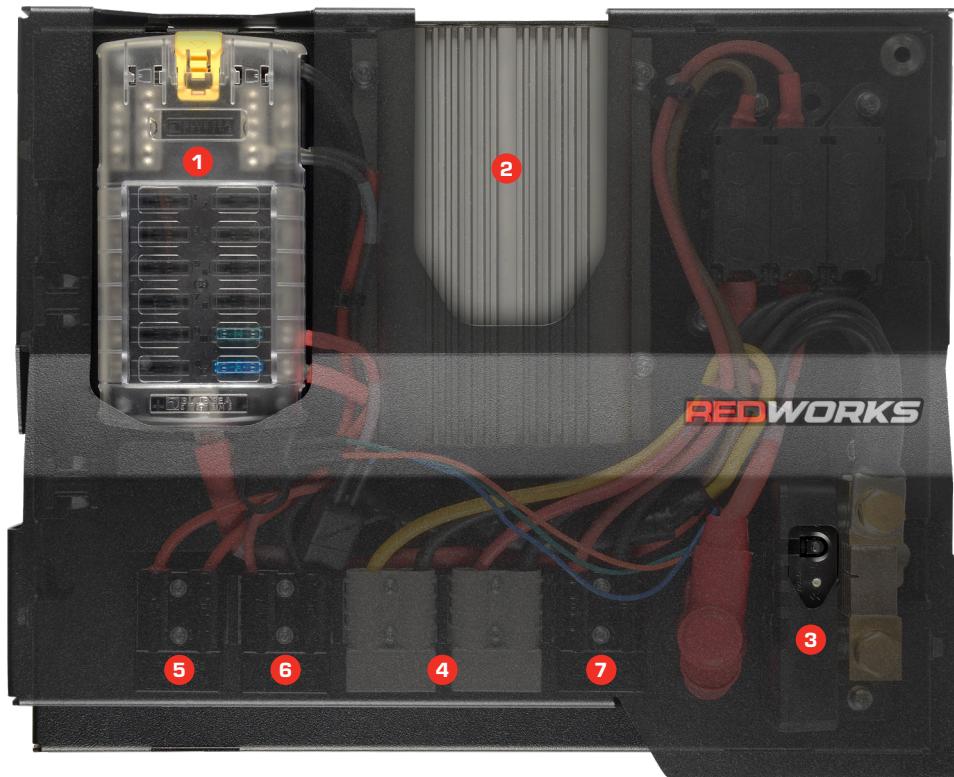


Like every REDWorks panel, the Nomad is a hassle-free, simplified dual battery system that keeps your setup clean and organised.

Connecting your gear is quick and easy, via five integrated Anderson™ connectors. With clearly labelled easy-access ports means that there's no messy wiring and no confusion, just plug in and go.

NOMAD40

ICMS-016-001



40A
CHARGE RATE

Dimensions

375 × 308 × 79 mm

Weight

5.3 kg

1 FAST & EFFICIENT CHARGING

With chemistry specific charging profiles, including lithium your batteries are always ready for your next adventure. BCDC Core40 features LED indication for clear communication of the charge process and fault detection.

2 12-WAY BLADE FUSE BLOCK

Featuring 30A channels, this centralised 12-way fuse block allows for easier maintenance and hassle-free expansion without extensive rewiring.

3 LIVE SYSTEM MONITORING

Track your system performance in real-time through RedVision. Have full visibility of your battery's state of charge, remaining run time, and input/output current from your smartphone. A LED interface on the BCDC charger also gives clear status and fault indicators.

4 SOLAR & VEHICLE INPUT

Charge your secondary battery from both solar and alternator inputs simultaneously, with a built in MPPT Solar regulator and with Green Power Priority® technology, the BCDC Core40 will prioritise solar for maximum efficiency and alternator protection.

5 10A ANDERSON™ OUTPUT

The 10A Anderson™ SB50 output is for low-power devices such as USB sockets, 12V cigarette sockets, standard fridges, lighting, pumps, or awnings.

6 25A ANDERSON™ OUTPUT

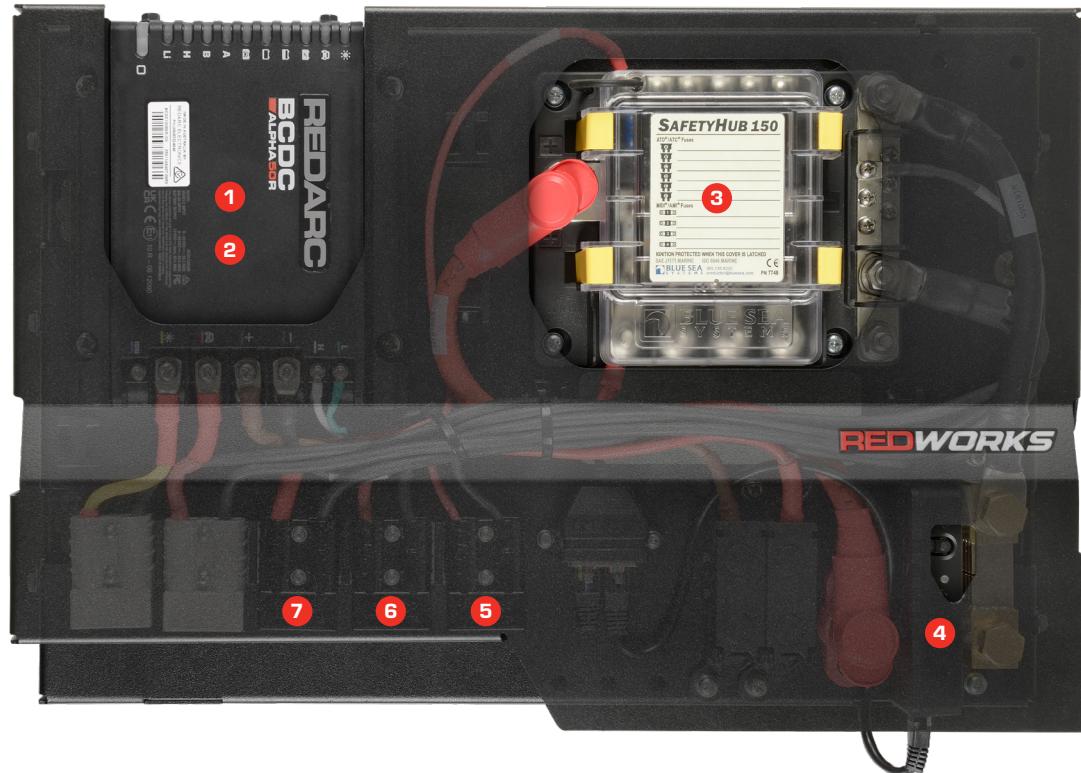
The 25A Anderson™ SB50 output supports medium-power devices such as large 12V fridges, small ovens, or compact compressors.

7 50A ANDERSON™ OUTPUT

The 50A Anderson™ SB50 output is ideal for high-power devices drawing up to 50A, such as 12V fridges, large compressors, or electric jacks.

NOMAD50

ICMS-016-002



50A
CHARGE RATE

Dimensions

465 x 308 x 79 mm

Weight

7.1 kg

1 START BATTERY MAINTENANCE

Nomad50's Start Battery Charging uses excess solar to keep your start battery topped up. Additionally, Start Battery Recovery will recover a flat start battery in just 15 minutes without jumper leads.

2 EV/HYBRID READY

Compatible with all common battery types, including lithium and heated lithium, and featuring over-the-air updates, Nomad panels ensure your system is future ready. Nomad50 can even limit input current, ideal for hybrid and EV's.

3 MAINTENANCE MADE EASY

Featuring 6 30A blade fuses and 4 100A MIDI fuses, this 10-way combo fuse block supports higher power devices, and allows for easier maintenance and hassle-free expansion.

4 LIVE SYSTEM MONITORING

Track your system performance in real-time through RedVision. Have full visibility of your battery's state of charge, remaining run time, and input/output current all from your smartphone. A LED interface on the BCDC charger also gives clear status and fault indicators.

5 10A ANDERSON™ OUTPUT

The 10A Anderson™ SB50 output is for low-power devices such as USB sockets, 12V cigarette sockets, standard fridges, lighting, pumps, or awnings.

6 25A ANDERSON™ OUTPUT

The 25A Anderson™ SB50 output supports medium-power devices such as large 12V fridges, small ovens, or compact compressors.

7 50A ANDERSON™ OUTPUT

The 50A Anderson™ SB50 output is ideal for high-power devices drawing up to 50A, such as 12V fridges, large compressors, or electric jacks.



MASTER YOUR POWER.

An integrated dual battery system with personalised control and advanced monitoring, engineered for travellers who want complete control over their setup. Whether you're managing everything from creature comforts to a wide range of onboard accessories, Pioneer lets you monitor and automate everything from your phone or display, creating a setup that suits your lifestyle.



CHARGE WITH CONFIDENCE

Stay powered and informed with DC and solar charging, while real-time battery monitoring gives you full system visibility so you can travel further with confidence.



PERSONALISED CONTROL

Design your system based on how you like to travel with programmable, easy-to-understand icons so you can control your devices with a single touch of a button.



READY-TO-GO POWER

Connect your essentials in seconds with easy-access Anderson ports. Whether it's a fridge or a solar panel, your system's ready when you are.



NEVER GET STRANDED

Recover your flat start battery with the push of a button, getting you back on the road quickly and safely.

PIONEER50

ICMS-017-001



1 START BATTERY MAINTENANCE

Start Battery Charging uses excess solar to keep your start battery topped up. Additionally, Start Battery Recovery will recover a flat start battery in just 15 minutes without jumper leads.

2 EV/HYBRID READY

Compatible with all common battery types including lithium and heated lithium, and featuring over-the-air updates, the Pioneer50 can even limit input current, making it ideal for hybrids and EVs.

3 ADVANCED MONITORING

The TVMS Rogue adds two analogue sensor inputs to the panels real-time monitoring, providing state of charge percentage, time remaining, and charger performance - all visible through RedVision.

4 SMART POWER BUILT-IN

Smart, resettable fuses can be reactivated in seconds via the RedVision display or app, helping you avoid downtime and manual diagnostics.

5 SOLAR & VEHICLE INPUT

Charge your secondary battery from solar and alternator inputs simultaneously, with Green Power Priority® technology, the solar will be prioritised for maximum efficiency and reduced alternator load.

6 CONTROL AT YOUR FINGERTIPS

RedVision is the central hub for all your on-board devices. Control lights, fridges, water pumps and more from your smartphone or RedVision Display.

Design your system based on how you like with 10 10A outputs and 8 dimmable inputs, you'll have precise control of lighting and your devices.

7 10A ANDERSON™ OUTPUT

The 10A Anderson™ SB50 output is for low-power devices such as USB sockets, 12V cigarette sockets, standard fridges, lighting, pumps, or awnings.

8 50A ANDERSON™ OUTPUT

The 50A Anderson™ SB50 output is ideal for high-power devices drawing up to 50A, such as 12V fridges, large compressors, or electric jacks.

SELECTOR

WHICH REDWORKS PANEL DO I NEED?

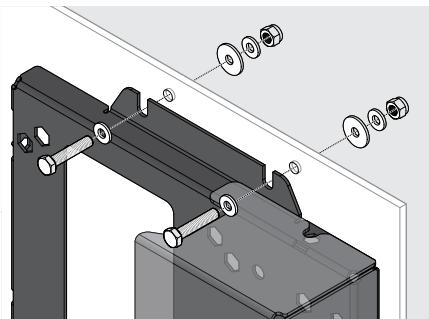
	SCOUT			NOMAD		PIONEER
	SCOUT25	SCOUT40	SCOUT50	NOMAD40	NOMAD50	PIONEER50
How many Ah is your Lithium battery?	<100AH	100-150AH	150AH+	100-150AH	150AH+	150AH+
How many Ah is your AGM/Lead Acid battery?	70-150AH	150-200AH	200AH+	150-200AH	200AH+	200AH+
Do you want to run just your fridge and lights?	✓	✓	✓	●	●	●
Do you want to run your fridge, lights plus other accessories?	●	●	●	✓	✓	✓
Is your vehicle hybrid or an EV?	●	●	✓	●	✓	✓
Do you want to charge back to your start battery?	●	●	✓	●	✓	✓
Do you want to control devices from your phone?	●	●	●	●	●	✓

For more information try our online selector tool



PLUG AND PLAY POWER

A pre-wired power panel takes the hassle out of selecting and setting up a 12V power system, by delivering a plug-and-play solution straight out of the box. There's no time-consuming wiring required, and little technical expertise needed - just mount it, connect your power source, and you're good to go.



1 MOUNT

4 bolts and your REDWorks Panel is mounted.



2 PLUG

Anderson plugs and pre-crimped installation cables mean you don't need an engineering degree to wire things up!



3 POWER

Once the panel is installed, simply connect to the RedVision App to confirm your system is working.

SYSTEM MONITORING

MASTER YOUR POWER

REDARC's game-changing RedVision delivers an unprecedented level of monitoring, control and automation right to your fingertips.

Keep track of your battery levels in real time and relax knowing your power is taken care of.



BASIC MONITORING

Receive accurate and real-time battery level tracking, with state of charge, time remaining and current flow at your fingertips, thanks to unrivalled accuracy and Bluetooth 5.1 connectivity.

REDVISION BASIC MONITORING ENABLED WITH:

SCOUT25
SCOUT40
NOMAD40



ADVANCED MONITORING

Scout50, Nomad50 and Pioneer50 deliver next level battery monitoring. More than just state of charge, time remaining and current flow, also receive real-time information on charger performance such as charging source, mode, stage and whether your battery or the charger is supplying your devices.

REDVISION ADVANCED MONITORING ENABLED WITH:

SCOUT50
NOMAD50
PIONEER50



ADVANCED MONITORING & CONTROL

With the included RedVision Display, monitor water levels, temperatures, tanks, and power consumption for the ultimate control and monitoring solution.

Pioneer50 also adds switching capabilities to your setup. Turn your devices on and off from your smartphone or display through a single touch of a button.

REDVISION ADVANCED MONITORING & CONTROL ENABLED WITH:

PIONEER50

ADD ONS

INSTALL KITS

INPUT | BATWK-001, BATWK-002

**OUTPUT | RS3WK-001, RS3WK-002,
RS3WK-003, RS3WK-004**

COMPLETE YOUR INSTALLATION

REDARC's range of pre-crimped input and output cables make completing your installation a breeze. Select the Input cable based on the distance from your start battery to your panel. Select Output cable based on the size and amount of loads you intend to run.



REDLAB BATTERIES

ALPHA | LBAT12150-SB

**ICON | LBATN12100, LBATN12200,
LBATN12300**

OUTPOWER, OUTSMART, OUTLAST

With a 150Ah capacity and a massive 200A discharge current, the Alpha150. It's the ultimate single battery solution for running inverters up to 2000 watts.



TOUGH, SAFE & TRACK-READY

With IP67-rated rugged construction, ultra-high discharge capability, and seamless integration with REDARC charging systems, REDLAB Icon Batteries deliver serious off-grid performance.

SOLAR

FIXED | 60W, 80W, 120W, 180W, 200W

FOLDING | 120W, 200W

BLANKET | 160W, 240W, 300W

ENDLESS POWER

Adding solar to your setup is essential if you want spend more time adventuring.

Designed to complement a dual battery system, these panels can either be temporarily or permanently mounted to the top of your 4x4, caravan or camper-trailer. Whether its fixed, folding or a solar blanket, the REDARC range features a solution for every application.



SPECIFICATIONS

SCOUT			NOMAD		PIONEER
SCOUT25 ICMS-015-001	SCOUT40 ICMS-015-002	SCOUT50 ICMS-015-003	NOMAD40 ICMS-016-001	NOMAD50 ICMS-016-002	PIONEER50 ICMS-017-001
Vehicle input voltage range	9 - 32 VDC			9 - 32 VDC	
Solar input voltage range	9 - 32 VDC		9 - 32 VDC	9 - 48 VDC	9 - 48 VDC
Vehicle & solar input connection	50 A Anderson			50 A Anderson	
Output current	25 A	40 A	50 A	40 A	50 A
50 A output connection	1	1	1	1	1
25 A output connection	-	-	-	1	1
10 A output connection	-	-	-	1	1
Blade fused channels	-	-	-	12	4
MIDI fused channels	-	-	-	-	6
Electronically fused channels	-	-	-	-	10
Display	-	-	-	-	Included
Operating temperature	-15°C to 60°C	-15°C to 60°C	-20°C to 60°C	-15°C to 60°C	-20°C to 60°C
Dimensions (D x W x H)	330 x 235 x 76 mm	330 x 235 x 76 mm	330 x 235 x 76 mm	375 x 308 x 79 mm	465 x 308 x 79 mm
Weight	3.6 kg	3.6 kg	3.7 kg	5.3 kg	7.1 kg
					6.8 kg





These products may have patent(s) granted and/or pending, design and eligible layout rights may also subsist. Scan the QR or visit: www.redarcelectronics.com/patent

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REDNETWORK.

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