

THE POWER OF  
**REDARC**

## GOBLOCK PORTABLE DUAL BATTERY SYSTEM



# GO EXPLORE.

REDARC.COM.AU/GOBLOCK



ULTRAFAST CHARGE.



LIFEPROOF.



INTELLIGENT.





# INTRODUCING THE GOBLOCK.



**NOT ALL PORTABLE POWER IS CREATED EQUAL. DESIGNED, ENGINEERED, BUILT AND TESTED FROM THE GROUND UP IN AUSTRALIA, THE GOBLOCK BY REDARC IS PURPOSE BUILT TO THRIVE IN AUSTRALIA'S HARSHTEST CONDITIONS.**

The GoBlock by REDARC is both a portable power source and a flexible in-vehicle dual battery system, capable of powering your electronics and accessories when you're away from home.

This system is built tough for the most rugged and remote off-grid adventure, yet suitable for practically any situation, including vans, 4WDs and boats. It's also ideal for vehicles that do not have enough room under the hood to install a traditional dual battery system.

With USB, accessory, Merit, fridge and Anderson outputs, the GoBlock is ideal for charging your smart devices, phones, games, cameras and drones, as well as powering lights, compressors, a portable fridge and more.

Featuring REDARC's proprietary DC charging technology, the GoBlock is capable of a rapid 50 amp recharge rate,\* giving you a massive 100 amp hours of power in around two hours when charged via the PowerDock or capable Anderson input.

This means the GoBlock is always ready to serve as your tough as nails portable dual battery system.

\*Subject to available power.



## PORTABLE POWER UNLEASHED

Featuring lithium iron phosphate (LiFePO<sub>4</sub>) cells, the GoBlock has been designed to allow 2000+ cycles, up to 4x more charge cycles than other portable power stations on the market, ensuring value for money and a longer life span.

Unlike many portable power systems the GoBlock is capable of operating in a wider temperature range, meaning it will perform in extreme conditions without compromising performance.

The GoBlock is designed and built for outdoor use. There are no fans or exposed components that can affect the unit, allowing you to take it from the car to the beach, worksite, family BBQ or campsite without worrying about wind, moisture, dust or grime (IP52 rating).

With stamina that goes way beyond weekend power, you can load up the GoBlock quickly and put civilisation in your rear-view for longer.



**AUXILIARY  
ANDERSON INPUT (50A)**



**3X OUTPUT SOCKETS**



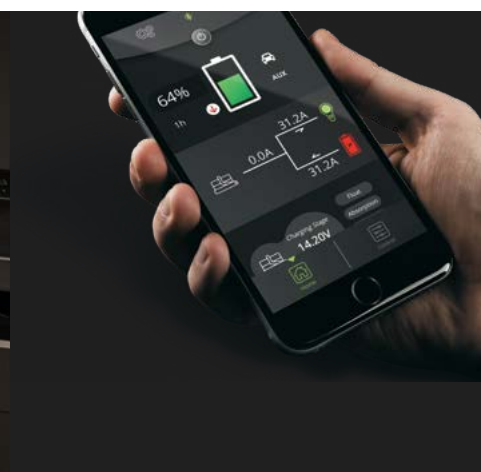
**ANDERSON OUTPUT (50A)  
& 4X USB PORTS (2.4A)**



**POWER STATUS LEDS  
& WEATHERPROOF  
HOUSING**



**TRICKLE-CHARGE INPUT**



**MONITORING WITH APP**

# GOBLOCK FEATURES.

## GO NOW

Hit the road and head to the great outdoors or enjoy a family day out with the peace of mind that you will be packed with hours, even days of off-grid power.

Fitted with an LED indicator and control button, so you can monitor the battery charge status easily.

## GO OFF-GRID WITH SOLAR CHARGE

The GoBlock offers flexible charging options, ranging from the included AC wall charger to pre-charge before you leave the house, to the accessory socket charger found inside your vehicle. It will also accept up to 50A input from any capable 12v power source that has an Anderson plug, including solar.

The intelligent charging platform allows you to get the best out of your solar panels by using the latest in-built MPPT (Maximum Power Point Tracking) technology for an efficient charge while you're at camp or off the grid.

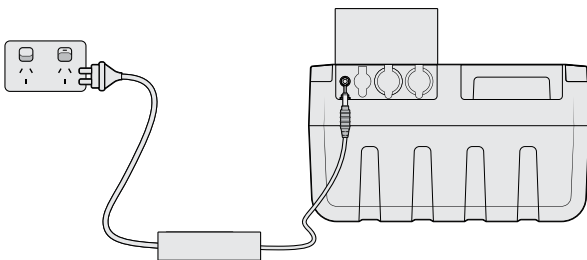
## DO MORE WITH THE POWERDOCK

To get the most out of your GoBlock portable power system, add the PowerDock, a semi-permanent installation that allows you to securely mount your system and rapid charge from both the vehicle and connected solar.

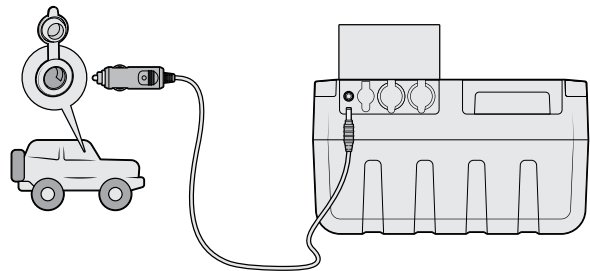
This provides rapid charge direct into the GoBlock system making it the most versatile portable dual battery system and a true all-in-one solution.

It is even lockable with a neat anti-theft feature. When you reach your destination, pop the quick release handle – the GoBlock is recharged, ready to go.

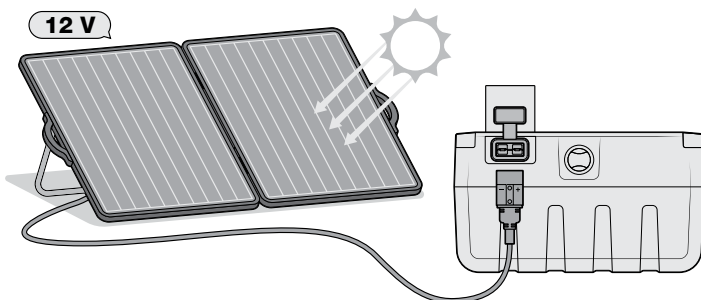
## CHARGING OPTIONS



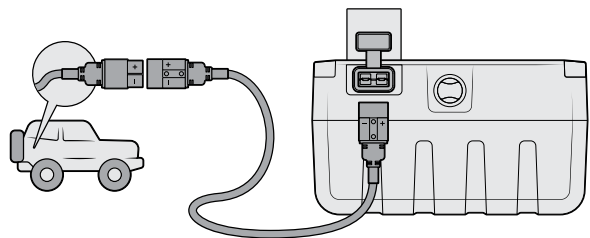
**AC wall charger**



**Accessory socket charger**



**Solar panel charging cables**



**Auxiliary to alternator lead**





### GO TOUGH

The GoBlock is built tough with a rugged exterior, prepared for almost any situation. With an IP52 protection rating, its inputs and outputs are neatly recessed with tough shields to protect them from hard knocks and inclement weather.

The battery is made of high-quality lithium iron phosphate ( $\text{LiFePO}_4$ ) cells, safely enclosed within the robust aluminium case. It is powerful with up to 4 times the recharge cycles of competing battery chemistries.

### GO ANYWHERE

The GoBlock can be installed into vehicles with or without the PowerDock. This gives you the best of both worlds, ensuring safe storage of the GoBlock and the portability to take it with you in your boat, to your campsite or in multiple vehicles offering greater value for money.

### WIRELESS MONITORING

GoBlock connects via Bluetooth to REDARC's RedVision smartphone App (iOS + Android) giving you remote access to the battery state of charge, system diagnostics and input source information, and the ability to activate the Start Battery Recovery mode.

### GO SAFE

The GoBlock includes a Start Battery Recovery feature which enables you to safely charge a vehicle's start battery, so you can get yourself or a friend out of trouble and on the road in just 15 minutes with this handy vehicle battery recovery capability.

### AUTOMATIC CHARGEBACK

Once the GoBlock is full and connected to a valid solar source it can automatically send excess power back to maintain the health of the vehicle start battery via the PowerDock, if the feature has been enabled via the RedVision App.

### GREEN POWER

When connected to the PowerDock, the GoBlock takes full advantage of REDARC's patented Green Power Priority technology, which sees the system charge itself from a fixed solar source before supplementing power from the vehicle, which lightens the load on your vehicle alternator.

### AUSTRALIAN MADE

Designed, engineered, built and tested from the ground up in Australia.



# GO BEYOND A TYPICAL DUAL BATTERY SYSTEM WITH THE POWERDOCK.



## GOBLOCK STAND-ALONE FEATURES

Available in 100Ah (PPS12100) and 50Ah (PPS12050) variants:

- Capable of up to 50A rapid charge rate (100Ah  $\approx$  2hr) (source dependent)
- 4 x USB, 7.5A Accessory and 15A Engel/Fridge socket and 50A Anderson outputs.
- Powered by lithium iron phosphate (LiFePO4) battery cells with 2000+ cycle durability (at 100% DoD, 1C charge/discharge rate)
- Rechargeable using: AC, DC or solar
- Recharge options:
  - 7.5A AC mains overnight charger
  - 7.5A DC in-vehicle accessory socket charger
  - 50A DC Anderson input using portable solar or vehicle alternator
- Rugged and lightweight, tough enough for off-road adventures and convenient for shorter journeys too
- Start Battery Recovery feature (SBR)
- App (iOS + Android) with monitoring and control features
- Traditional tie-down guides on both axis of the unit
- Retractable handles
- Rated IP52.

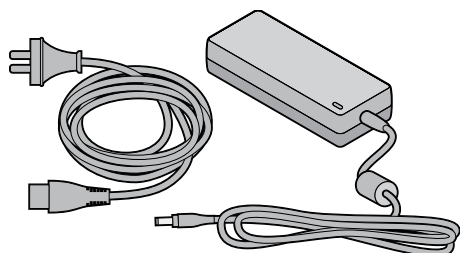
## GO FOR MORE - POWERDOCK

Unlock these additional features when paired with the PowerDock (sold separately) :

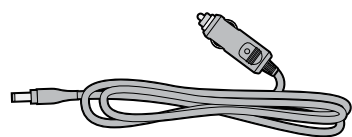
- A simple to install quick-release system
- Recharge your GoBlock fast
  - Simultaneous DC and fixed solar charging with Green Power Priority
- Automatic safe chargeback to the start battery
- GoBlock restraint for safe travel – no more tie-downs
- Secure GoBlock with the lockable anti-theft feature
- Ignition signal input for better performance when used with smart alternators
- Install multiple PowerDocks across vehicles or campers for easy GoBlock transfer.



## GOBLOCK INCLUDES:



**7.5A AC overnight mains charger**

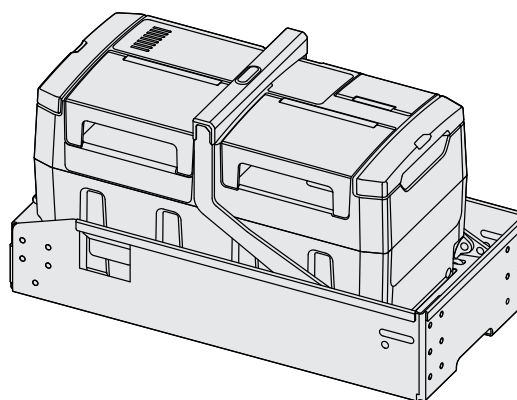


**7.5A DC Accessory socket charger**

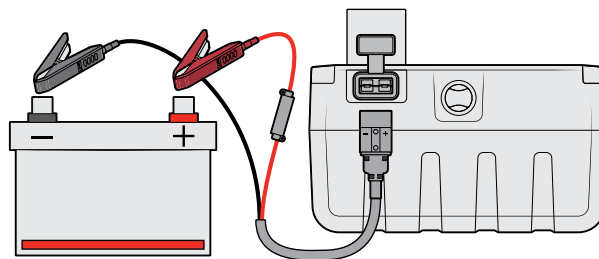


**Access to the iOS and Android App**

## OPTIONAL ACCESSORIES:



**50A PowerDock (available 2022)**



**Start Battery Recovery cables**

## TRADITIONAL DUAL BATTERY SET UP v GOBLOCK + POWERDOCK

	GOBLOCK	DUAL BATTERY
Easy standard installation	✓	X
Portable; car, boat, camp & trailer	✓	X
Neat and compact – battery, cabling, DC-DC charger & connectors inside the unit	✓	X
Plug and play connectors ready to go	✓	X
Safely recover yours (or a mate's) start battery	✓	✓
Charge back to the start battery when the auxiliary is charged and mains or solar is available	✓	X
Warranty	2 years	?

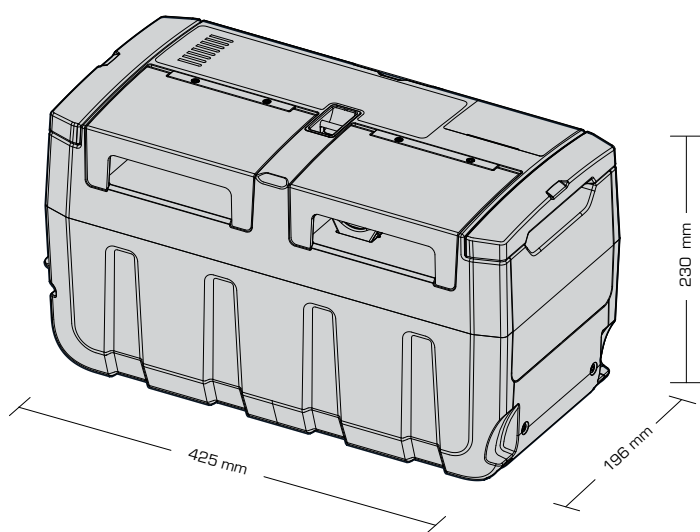
**NEW** GOBLOCK PORTABLE DUAL BATTERY SYSTEM

**GO EXPLORE.**

THE POWER OF  
**REDARC**

**SPECIFICATIONS**

	<b>PPS12050</b>	<b>PPS12100</b>
Battery capacity	50 Ah (640 Wh)	100 Ah (1280 Wh)
Nominal voltage	12.8 -15.8V	12.8 -15.8V
Cycle life	2000 cycles (≥80% capacity retention)	
Maximum current input	50 A (AUX Anderson or Solar)	50 A (AUX Anderson or Solar)
Maximum total output	50 A	50 A
Operating temperature range charging	0°C to 45°C	0°C to 45°C
Operating temperature range discharging	-20°C to 60°C	-20°C to 60°C
Dimensions closed (L x W x H)	425 × 196 × 230 mm	425 × 196 × 230 mm
Weight	15 kg	19 kg



For more  
information scan  
the QR code or  
visit the website...



**REDARC.COM.AU**

**HEAD OFFICE**

23 Brodie Road (North), Lonsdale South Australia, Australia 5160  
Email [power@redarc.com.au](mailto:power@redarc.com.au)

**AUSTRALIA**

Head office 08 8322 4848  
Tech support 1300 REDARC (1300 733 272)

**NEW ZEALAND**

Head office 9 222 1024  
Tech support +61 1300 REDARC (+61 1300 733 272)

THE POWER OF  
**REDARC**

Details and specifications are  
subject to change without notice.  
© 2021 REDARC Electronics Pty Ltd.  
All rights reserved.  
GOBLOCK FLYER 210825

