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*Australia's Automotive
Electrical Specialist*

LITHIUM



charge
smarter

NOT HARDER



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REMCO products are developed and manufactured with quality in mind. Our batteries use the highest quality A-grade lithium cells, so you can feel confident that we've got your back.

A new REMCO smart battery management system (BMS) is said to be an outstanding feature of the new batteries. The BMS is built into the battery and is paired with a mobile phone app, so owners can monitor and manage their battery's condition and performance in real-time.

The REMCO lithium range at launch consisted of 75 amp-hour, 100Ah, 120Ah, 130Ah and 200Ah models. All are designed with Australia's unique environment in mind.

Key advantages of REMCO Lithium

- Light Weight vs traditional batteries
- ABS casing
- 3000+ recharge cycles up to 5 times more compared to AGM
- Less maintenance and no sulfation
- 100% Amp hour capacity available
- Faster recharge vs traditional batteries
- Connect up to 48V in series or 4 batteries in parallel
- In-built Bluetooth App



Part No	Case	Term	Volts	Ah C20	IP Rating	Max continuous current		L	W	H	Weight (KG)
						Discharge	Charge				
RM12-75LFP	GRP 24	M8	12	75	65	100A	40A	260	168	209	9.5
RM12-100LFP	GRP 31	M8	12	100	65	100A	50A	330	172	223	11.7
RM12-130LFP	GRP 31	M8	12	130	65	120A	50A	330	172	223	13
RM12-200LFP	GRP 8D	M8	12	200	65	150A	50A	522	240	218	23.5
RM12-120LFP SL	Slimline	M8	12	120	54	100A	60A	395	110	286	13.5

The Smart BMS built in Bluetooth app* has been designed to keep you informed, ensuring safe operation and maximum service life.

- On-demand State of Charge % and capacity monitoring
- Amp meter – easy appliance current monitoring
- Charging / discharge Control Switch
- Battery Health Indicators:
 - Individual cell voltage / balance
 - Temperature of the cells
 - Health rating
- Real-time trouble-shooting alerts
- Recharge cycle counter
- Historical data display
- Connectivity distance up to 10m



GET THE APP



- Download the REMCO Lithium SmartBat app from the iOS App store for Apple devices and the Google Play store for Android Devices
- Once app is downloaded turn on the Bluetooth, locate the battery and connect to control
- To watch a video on how to use the app and some of its key features go online to: remcoenergy.com.au



* not applicable for super slim series.



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The light weight Super Slim Lithium Xtra battery range from REMCO are constructed using the latest generation prismatic lithium iron phosphate cells. The super slim batteries are designed for those tight places that traditional sized batteries can't fit into.

The RM12-110LFPXSLDC (110Ah) model comes with a built in 20A DC-DC charger which charges the battery from any 12V vehicle system with either traditional or smart alternators.

The RM12-150LFPXSL (150Ah) contains an inbuilt Battery Management System (BMS) that provides up to 200A of continuous discharge, can accept up to 140A of charge and can be placed in parallel to cater for higher power and greater capacity.

Key advantages of REMCO Super Slim Lithium

- Light Weight vs traditional batteries
- Less maintenance and no sulfation
- Aluminium casing
- Faster recharge vs traditional batteries
- 3000+ recharge cycles up to 5 times more compared to AGM

REMCO Super Slim Lithium 110aH

- Internal 100A BMS
- RM12-110LFPXSL (2 x grey Anderson connector)
RM12-110LFPXSLDC (1 x grey, 1 x blue Anderson connector)



Part No	Case	Volts	Ah C20	Max continuous current		L	W	H	Weight (KG)
				Discharge	Charge				
RM12-110LFPXSL	Aluminium Slimline	12	110	100A	100A	635	255	50	11
* RM12-110LFPXSLDC	Aluminium Slimline	12	110	100A	100A	635	255	50	11

* Built in 20A DC-DC charger option.

REMCO Super Slim Lithium 150aH

- Internal 200A BMS
- 4 x grey Anderson (Max 50A each)



Part No	Case	Volts	Ah C20	Max continuous current		L	W	H	Weight (KG)
				Discharge	Charge				
* RM12-150LFPXSL	Aluminium Slimline	12	150	200A	140A	560	235	85	17.7

* Built in Battery Management System (BMS).

It is recommended to use an approved charger with a LITHIUM PROFILE setting. Recommended optimal charge rate is 0.2C (i.e. for a 100Ah battery that is 20Ah).

Charger Recommendations:

240V:

NOCO Genius 5 / 10 / PRO25

- LiFePO4 charging profile
- Detects batteries as low as 1 volt. All new force mode that allows you to manually begin charging dead batteries down to zero volts
- Low Voltage override function

NOCO

DC/DC Chargers:

REDARC BCDC1225D / BCDC1240D / BCDC1250D

- LiFePO4 charging profile
- Simultaneous DC and solar charging with green priority (D Series)
- Smart alternator compatible

**THE POWER OF
REDARC**

A standard lead-acid battery charger can be used to charge Lifeline lithium batteries; however, the following requirements must be met:

- The charger must not contain de-sulfation/ equalization setting. If it does, turn it off
- Voltage must be set between 14.4 – 14.6 V – CV, constant voltage
- Max Charge Voltage is 14.6V
- Recommended float charge voltage 13.8V
- Make sure to match charger Amp output to battery bank size
- Some "smart" or multi-stage lead acid battery chargers would detect OCV 1st, so it may refuse to charge over-discharged
- Chargers with LiFePO4 settings are still STRONGLY recommended



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