

# Redx

Pioneering the Path Beyond Net-Zero Bill



AUSTRALIAN DESIGNED

## REDX RX-0050B Battery



### Redx Technology Australia Pty Ltd

Redx is a proud Australian company that brings game-changing, world-first patented technologies to revolutionise home energy solutions. We're honoured to be recognised as one of the renewable equipment suppliers listed by the Australian government (Austrade). At Redx, We specialise in smart solar battery and inverter system design to help Australian households achieve zero energy bills and maintain power during outages.

# RX-0050B

## Battery System



The **RX-0050B** is a battery designed to achieve the highest efficiency with Step Modulation.

### Turn Energy Into Earnings

Equipped with VPP-ready software, RX-0050B Lets you join your preferred VPP provider and export surplus energy.

### Support You Can Count On

Get Australian-based support from real people who understand your needs and provide quick and reliable assistance whenever needed.

### Stackable Design

Easily expand your energy storage by adding additional units as your needs grow. Whether you're planning ahead or upgrading over time.

### Effortless Setup

The RX-0050B features a lightweight design and easy installation functionality, enabling single-person setup for fast and hassle-free installation.



10 Years  
Warranty



Stackable  
Battery



Quick  
Installation



Local Australian  
Support Hotline

## SPECIFICATIONS

Item	Parameters
Cell type	Prismatic
Nominal voltage	3.2V
Rated capacity	100AH
Rated energy	320WH
Internal resistance	$\leq 0.4m\Omega @ 25^{\circ}C 1kHz AC$
Allowed MAX charging current	1C
Recommended charging current	$\leq 0.5C$
Allowed MAX discharging current	1C @ $25\pm 5^{\circ}C$ , SOC > 20%
Maximum pulse discharging current	2C @ $25\pm 5^{\circ}C$ , 10s, SOC $\geq 20\%$
<b>Battery Module Parameters</b>	
Product name	LiFePO4 Battery System
DC Ratings	51.2V, 50A, 2500W
Depth of Discharge	90%
Useable Capacity	90 Ah, 4.6kWh
Input	Max 56.8V d.c., 60A
Output	43.2 ~ 56.8V d.c., Max 60A, 2500W
Operating Temperature Range	-10°C ~ 55°C
Charging Temperature Range	-10°C ~ 50°C
Discharging Temperature Range	-10°C ~ 55°C
Internal resistance	$\leq 20m\Omega @ 1kHz AC$
Rated charge voltage	58.4V
Short Circuit Protection	500A
Short Circuit Protection Delay Time	200 - 800 us
Communication Port Type	CAN
Communication Protocol	RS485
Wi-Fi / LAN connection capability	No comply
Allowed MAX charging current	60A @ $25\pm 5^{\circ}C$
Recommended charging current	$\leq 50A$
Allowed MAX discharging current	60A @ $25\pm 5^{\circ}C$
Dimensions	W:400 $\pm$ 2mm D:620 $\pm$ 2mm H:145 $\pm$ 2mm
Weight	About:56kg
IP Class	IP55

Manufacturer specified test conditions.  
Product specifications are subject to change without prior notice.



Members of:



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# Redx