

Redx

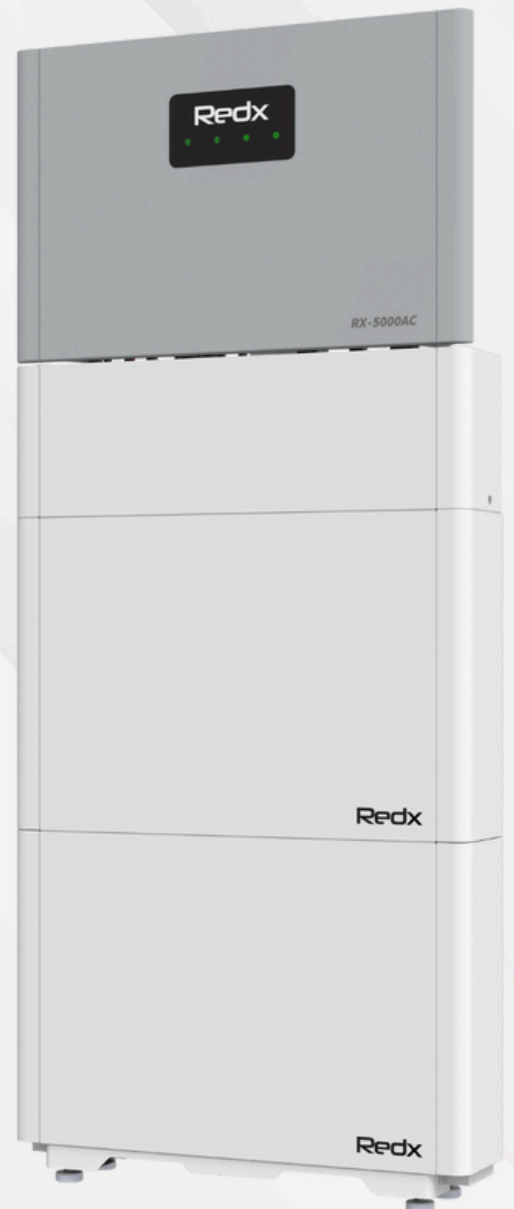
Pioneering the Path Beyond Net-Zero Bill



REDX RX-5000AC AC-Coupled 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.



Redx RX-5000AC

The **RX-5000AC battery** is an ac-coupled battery inverter designed to achieve the highest efficiency using Redx patented Single Stage Buck-Boost Inverter with Step Modulation..

- 5kW ac-coupled inverter
- 5/10/15/...kWh of battery storage

Work with existing solar

The RX-5000AC is designed to seamlessly integrate with your existing system. Making it the perfect upgrade for households looking to store excess solar energy without starting from scratch.

Stay Powered in Blackout

With advanced technology and seamless integration, the RX-5000AC ensures your home stays powered during grid instabilities and blackouts.

Turn Energy Into Earnings

Equipped with VPP-ready software, RX-5000AC Lets you join your preferred VPP provider and export surplus energy.

Stackable Design Up to 40kWh

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

Support You Can Count On

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

Effortless Setup

The RX-5000AC features a lightweight design and easy installation functionality, enabling single-person setup for fast and hassle-free installation.



10 Years
Warranty



Reliable
Backup



Stackable
Battery



AC-Coupled
Inverter



Quick
Installation



Cloud
Monitoring



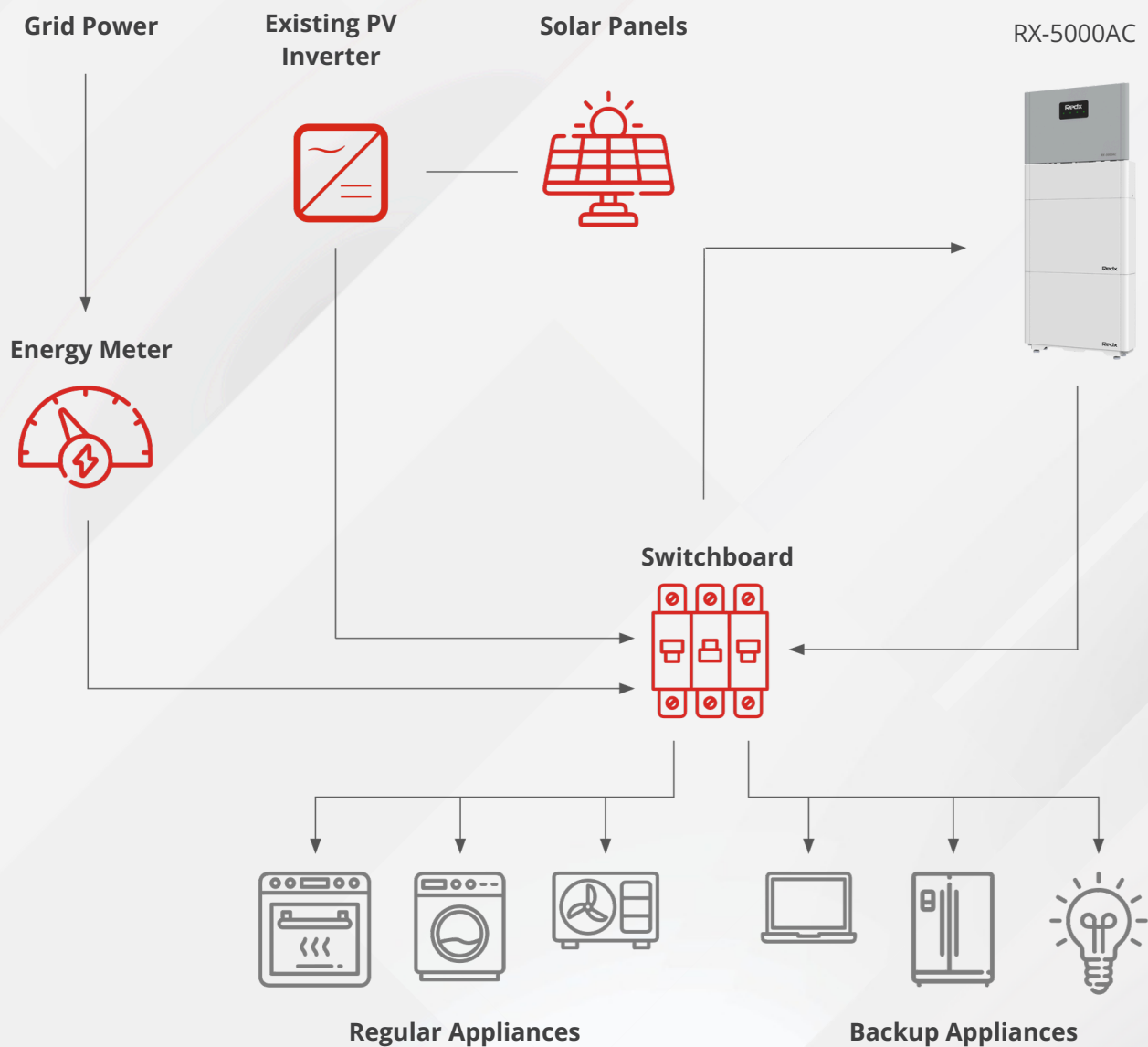
Single-Stage
Inverter
Technology



Local Australian
Support Hotline



5 kW AC Inverter Supporting 5-40 kWh of Battery Storage



RX-5000AC

Integrated Energy Storage System, 5kW AC inverter with 5 - 40 kWh of storage



SPECIFICATIONS

INVERTER

AC Inputs (Grid Port)	
AC Input Voltage	170 V - 280 V
AC Input Nominal line Frequency	50/60Hz +/- 10%
Switching time (on-off grid)	<50ms
Max input current (charge mode 0.3C)	40A (bypass mode + charge mode)
AC Outputs (Grid and EPS Load Ports)	
AC Output Voltage / Frequency	230V / 50Hz +/- 0.10Hz
Inverter Max efficiency	96%
Total Harmonic Distortion (THD)	<2%
Power Factor Nominal Range	0.8 leading to 0.8 lagging
Max efficiency - battery	96.50%
Maximum Output Power - Battery only	5,000W
Grid Port AC Output	
Rated Current	22A
Maximum Output Power - Continuous	5,000W
Maximum Output Power - 60 seconds	5,500W
Max output current	25A
Rated Power	5,000VA
EPS Load AC Output	
Max output current	25A
Rated current	22A
Rated Power	5,000VA

CERTIFICATION, SAFETY, EMC

Certificates	SAA
Safety & EMC	IEC62109-1, IEC62109-2, IEC62040, EN61000-6-1, EN61000-6-2, EN61000-6-3, EN61000-6-4, AS4777.2
Warranty	10 years

DC PORTS

BAT LV Port Max Current / Power	115A / 5kW
Battery Port Voltage Range	42V - 60V
Compatible battery (Battery Chemistry)	RX-0050 (Lithium Iron Phosphate)

COMMUNICATION

RS485_A&CAN	BMS
RS485_B	Wi-Fi/4G
RS485_D	Parallel / Reserved
Current Sensors	External CT
Dry Contact 1	External DPDT Switch
Digital Input	Turn on / Turn off (5v, 0.1A)
DRM	DRM0

GENERAL

Protection Functions	Full Protection Functions
Current sensors	External
Display / Indicators	LED Indicators
External communication port	RS485
VPP-ready/remote control	Yes
Embedded software package (optional)	VPP & Peak Shaving
Size W*H*T	620mm x 400mm x 162mm
Weight	22.5kg
Country of manufacture	China

ENVIRONMENTAL / OPERATIONAL RANGE

IP rating	IP65
Operating temperature range	-10°C~ 50°C
Cooling	Convection
Relative Humidity	10-100%

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



Members of:



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Manufactured In China

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