

Redx

Pioneering the Path Beyond Net-Zero Bill



AUSTRALIAN DESIGNED

REDX RX-5000HY Hybrid 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-5000HY

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

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

Stay Powered in Blackout

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

Take Control of Your Energy

Providing reliable energy storage and off-grid system, ensuring uninterrupted power in any situation for complete independence and sustainable living.

Turn Energy Into Earnings

Equipped with VPP-ready software, RX-5000HY 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-5000HY 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



Hybrid
Inverter



Quick
Installation



Cloud
Monitoring



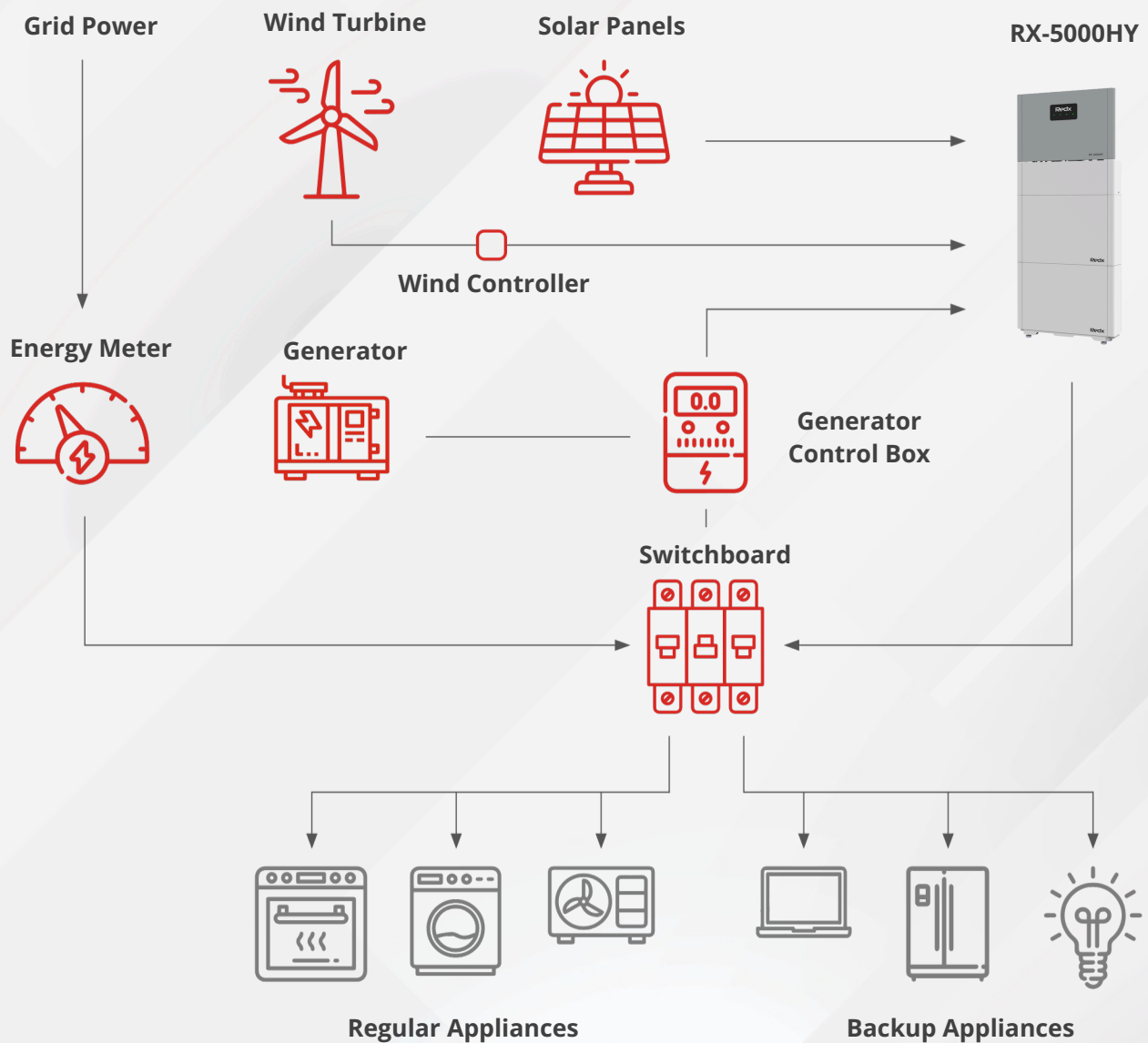
Single-Stage
Inverter
Technology



Local Australian
Support Hotline



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



RX-5000HY

Integrated Energy Storage System, 5kW hybrid 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)
Generator control & input	Yes
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 - batter	96.50%
Maximum Output Power - Battery only	5,000W
Grid Port AC Output	
Rated Current	30.5A
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 & WARRANTY

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

MECHANICAL

Weight	35kg
Dimensions	400mm H * 620mm W * 162mm D

DC PORTS

PV Port Max Current / Voltage	15A / 550V
PV Max DC short-circuit Current	20A / 20A / 20A
PV Port Voltage (MPPT)	120V-530V
No. of independent MPP Ports	3
MPPT max power output / (Total)	3kW/3kW/3kW / (9kW)
56V Auxiliary DC Port Voltage Range	56V - 60V
56V Auxiliary DC Max Current / Power	40A / 2kW
BAT LV Port Max Current / Power	115A / 5kW
Battery Port Voltage Range	42V - 60V
Compatible battery (Battery Chemistry)	RX-0050 (Lithium Iron Phosphate)
HV DC Port Max Current	20A
HV DC Port Voltage Range	250V - 360V
HV DC Port Rated Voltage / Power	307.2V / 5KW

GENERAL

Internal on/off	Yes
Protection Functions	Yes
Current sensors	Yes
High Voltage Battery supported	Yes
External communication port	RS485
Status indicator display	Yes
Embedded software package (optional)	VPP & Peak Shaving
VPP-ready/remote control	Yes
Communication	Modbus, RS485, Wifi, 4G
Country of manufacture	China

ENVIRONMENTAL / OPERATIONAL RANGE

Ingress rating	IP65
Operating temperature range	-10°C to 50°C
Cooling	Natural cooling
Relative Humidity	10-100%

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



Members of:



Redx Technology Australia Pty Ltd
28 Warehouse Cct, Yatala, QLD, 4207

+61 (0) 7 5672 9983
sales@redx.com.au
www.redx.com.au

Manufactured In China

Redx