

Redx

Pioneering the Path Beyond Net-Zero Bill

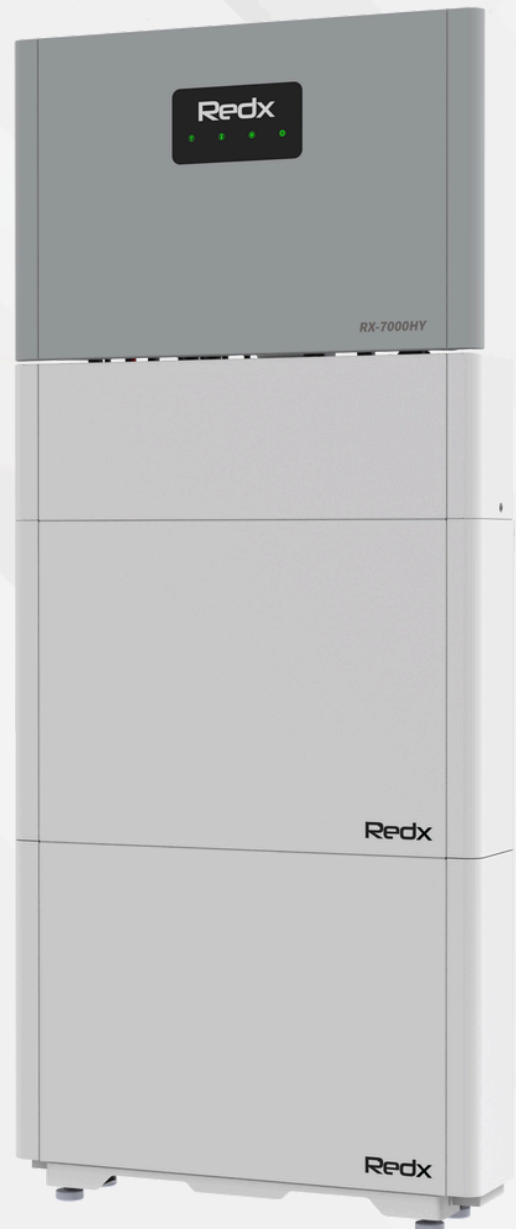


AUSTRALIAN DESIGNED

REDX RX-7000HY 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-7000HY

The **RX-7000HY battery** is an hybrid battery inverter designed to achieve the highest efficiency using Redx patented Single Stage Buck-Boost Inverter with Step Modulation..

- 7kW hybrid inverter
- 5/10/15/...kWh of battery storage

Stay Powered in Blackout

With advanced technology and seamless integration, the RX-7000HY 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-7000HY 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-7000HY 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



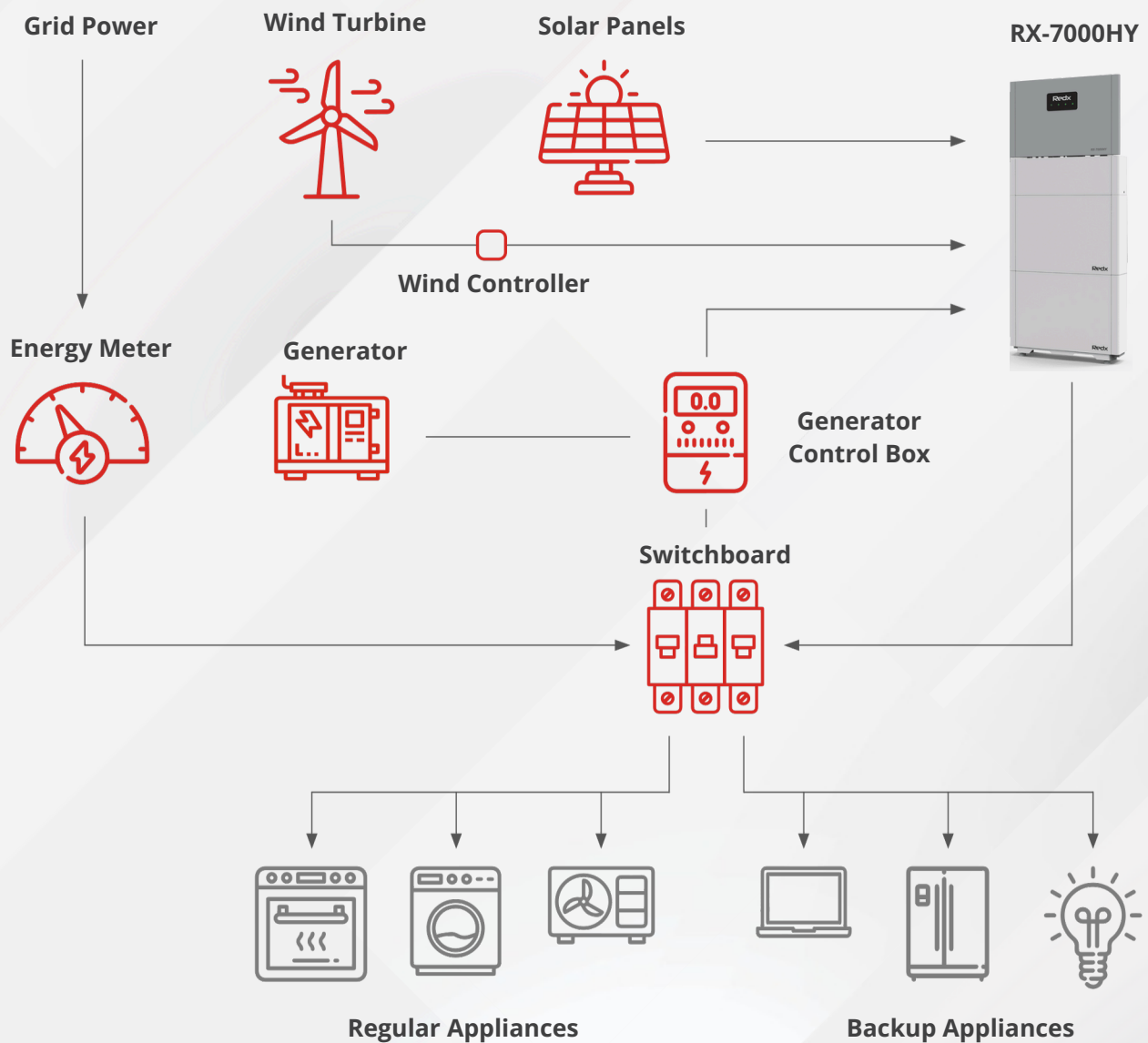
Single-Stage
Inverter
Technology



Local Australian
Support Hotline



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



RX-7000HY

Integrated Energy Storage System, 7kW 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 | 7,000W |
| Maximum Output Power - 60 seconds | 8,000W |
| Max output current | 35A |
| Rated Power | 7,000VA |
| 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:



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Manufactured In China

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