

Redx

Pioneering the Path Beyond Net-Zero Bill



AUSTRALIAN DESIGNED

REDX RX-7000PLUS Smart Hybrid Battery System



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-7000Plus

The **RX-7000Plus Series** is an all-in-one smart hybrid battery designed to achieve the highest efficiency using Redx patented Single-Stage Buck-Boost Inverter with Step Modulation.

- 7kW solar battery inverter
- 13.4kWh of battery storage

Stay Powered in Blackout

With advanced hybrid technology and seamless integration, the RX-7000Plus 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.

No Noise, Just Pure Performance

The RX-7000Plus delivers exceptional performance with a fanless design, ensuring high efficiency without distracting noise.

Effortless Setup

The RX-7000Plus features a lightweight design and plug-and-play functionality, enabling single-person setup with wiring-less module connections for fast and hassle-free installation.

Turn Energy Into Earnings

Equipped with VPP-ready software, RX-7000Plus Lets you join your preferred VPP provider and export surplus energy.

Maximum Energy Yield

Three independent PV inputs enable optimal power generation with three groups of PV panels and maximise power generation.

Reliable, Capacitor-Free Design

The first electrolytic capacitor-less inverter design in the world for single-phase inverters, enhancing both longevity and reliability

Support You Can Count On

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



10+5 Years
Warranty



Backup & Off-
Grid System



IP65 for Outdoor
Installation



Fanless
Design



Plug-and-Play with
Wiring-less
Connection



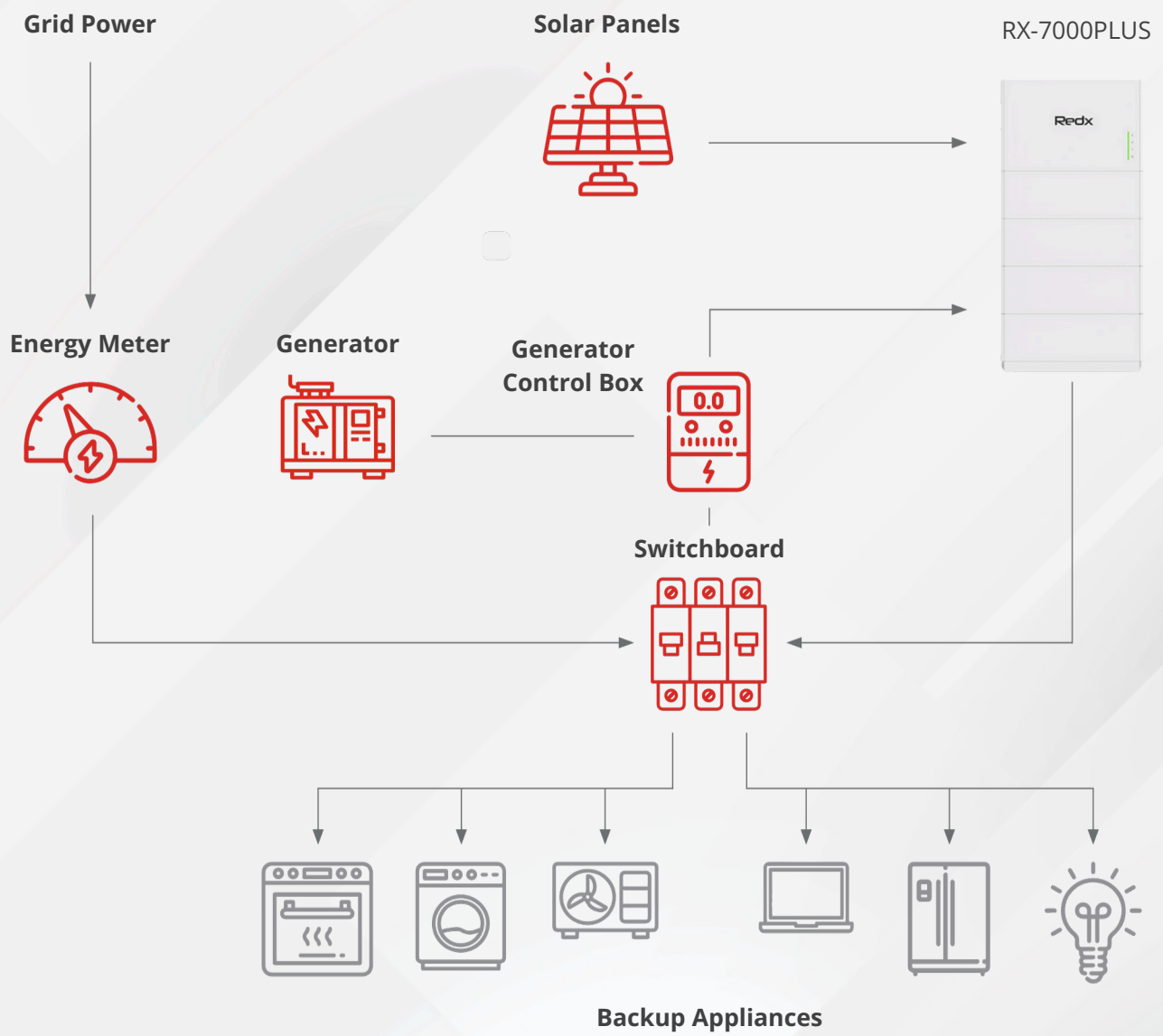
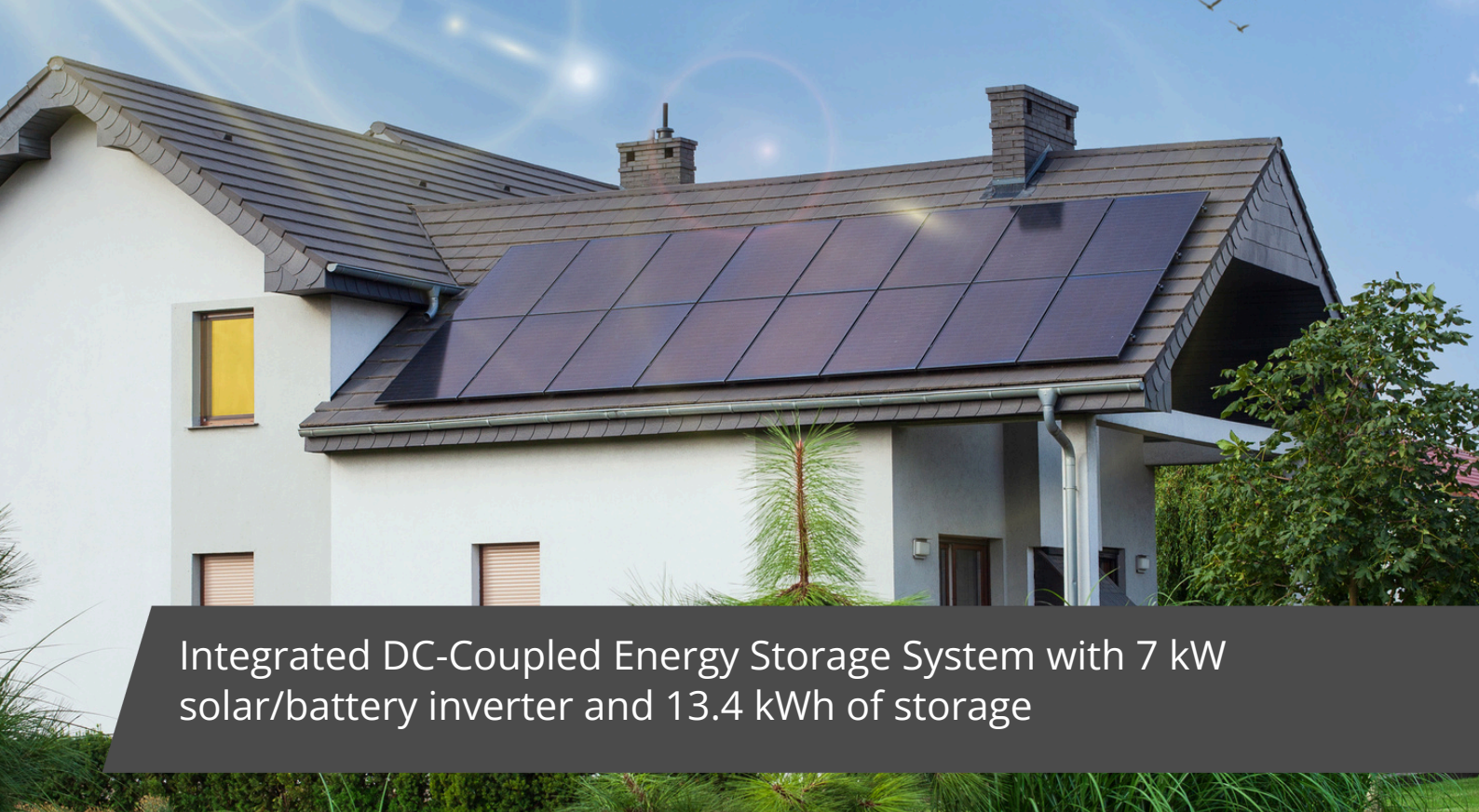
VPP
Ready



Single-Stage
Inverter
Technology

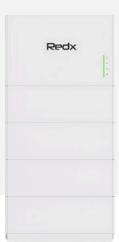


Local Australian
Support Hotline



RX-7000Plus

Integrated Energy Storage System with 7kW output inverter and 13.4kWh of storage



SPECIFICATIONS

	RX-7006PLUS	RX-7010PLUS	RX-7013PLUS
AC Inputs			
AC Input Voltage	180 V - 250 V		
AC Input Nominal line Frequency	45-55Hz		
Switching time (on-off grid)	<20ms		
nominal current	30.5A		
Generator control & input	Yes		
PV			
Max. PV Input Current	16A		
Max. PV Input Voltage	550V		
MPPT Voltage range	120V - 500V		
No. of independent MPPT inputs	3		
Max. DC short-circuit current	20A / 20A / 20A		
PV input start-up voltage	120 V		
AC Output			
Nominal grid voltage	180V - 250Vac		
Nominal current	22Aac	30.5Aac	
Grid frequency range	45 - 55Hz		
Nominal output power	5kW	7kW	
Nominal backup power 7kW	5kW	7kW	
Nominal generator power	5kW	7kW	
Total Harmonic Distortion (THD)	<5%		
Power Factor Nominal Range	0.8 leading to 0.8 lagging		
Battery			
Capacity	6.69kWh	10.03kWh	13.37kWh
Depth of discharge (DOD)	94.50%		
Battery life	> 5000 Cycles @ 70% usable capacity		
Min/Max Voltage	160-230.4Vdc	240-345.6Vdc	320-460.8Vdc
Nominal Voltage	204.8Vdc	307.2Vdc	409.6Vdc
Max. Charge/Discharge	32A	32A	32A
Battery Chemistry	LFP		
Max. Efficiency	98%(IGBT)		
General			
Internal on/off grid switching	Yes		
Protection Functions	Yes		
Current sensors	Yes		
High Voltage Battery supported	Yes		
Communication	Modbus/Ethernet/RS485/Wifi/4G/GPRS		
External communication port	RS485		
Status indicator display	Yes		
Embedded software package (optional)	VPP & Peak Shaving		
VPP-ready/remote control	Yes		
Weight	107kg	140.5kg	174kg
Dimensions	1232mm H * 764mm W * 210mm D (6.69kWh)	1482mm H * 764mm W * 210mm D (10.03kWh)	1689mm H * 764mm W * 210mm D (13.37kWh)
Environmental / Operational Range			
Ingress rating	IP65		
Operating temperature range	-20°C - 55°C		
Altitude	≤3000m		
Cooling	Natural cooling		
Relative Humidity	5-95%		
Certification, Safety, EMC & Warranty			
System Standard	IEC62619, IEC62040, IEC62109-1/2		
Grid Connection Standard	AS4777.2		
EMC Standard	IEC 61000-6-1/3		
Warranty	10 years		

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



Members of:



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Manufactured In China