



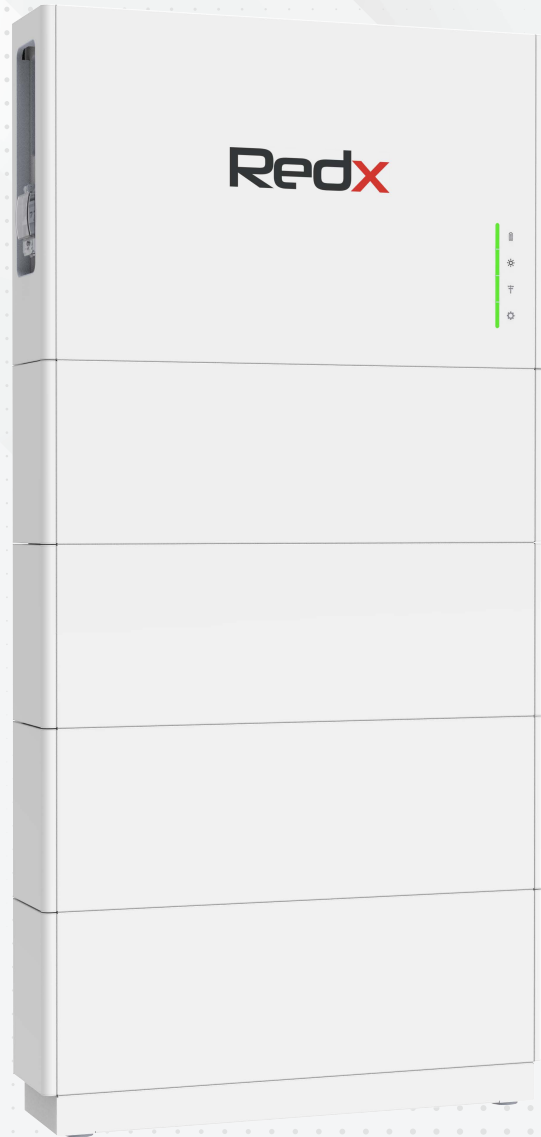
INNOVATION IN POWER & STORAGE TECHNOLOGY

REDX RX-7000PLUS Hybrid Battery System

Redx Energy (Redx) is an Australian owned and operated company, a leader in innovative inverter power and storage technology.

With a passion for innovation, Redx holds over 30 technology patents that are groundbreaking in the inverter space.

The Australian Office manages software engineering, new product design, technology support and after sales service. With local expertise, Redx can respond quickly to customer enquires and also has the agility to provide customised solutions.



7000W discharge



On-Off Grid functions



VPP ready



Hybrid inverter



Quick installation



Single stage inverter



REDX RX-7000PLUS

The **RX-7000PLUS Series** is an all-in-one energy storage system designed to achieve the highest efficiency using Redx patented Single Stage Buck-Boost Inverter with Step Modulation.

INPUTS

The Redx ESS provides 3 MPPT inputs for solar panel arrays. It is also capable of controlling a back up generator and supports generator input.

The RX7000PLUS is a powerful on/off grid hybrid inverter capable of powering your home 24/7.

SOFTWARE & MONITORING

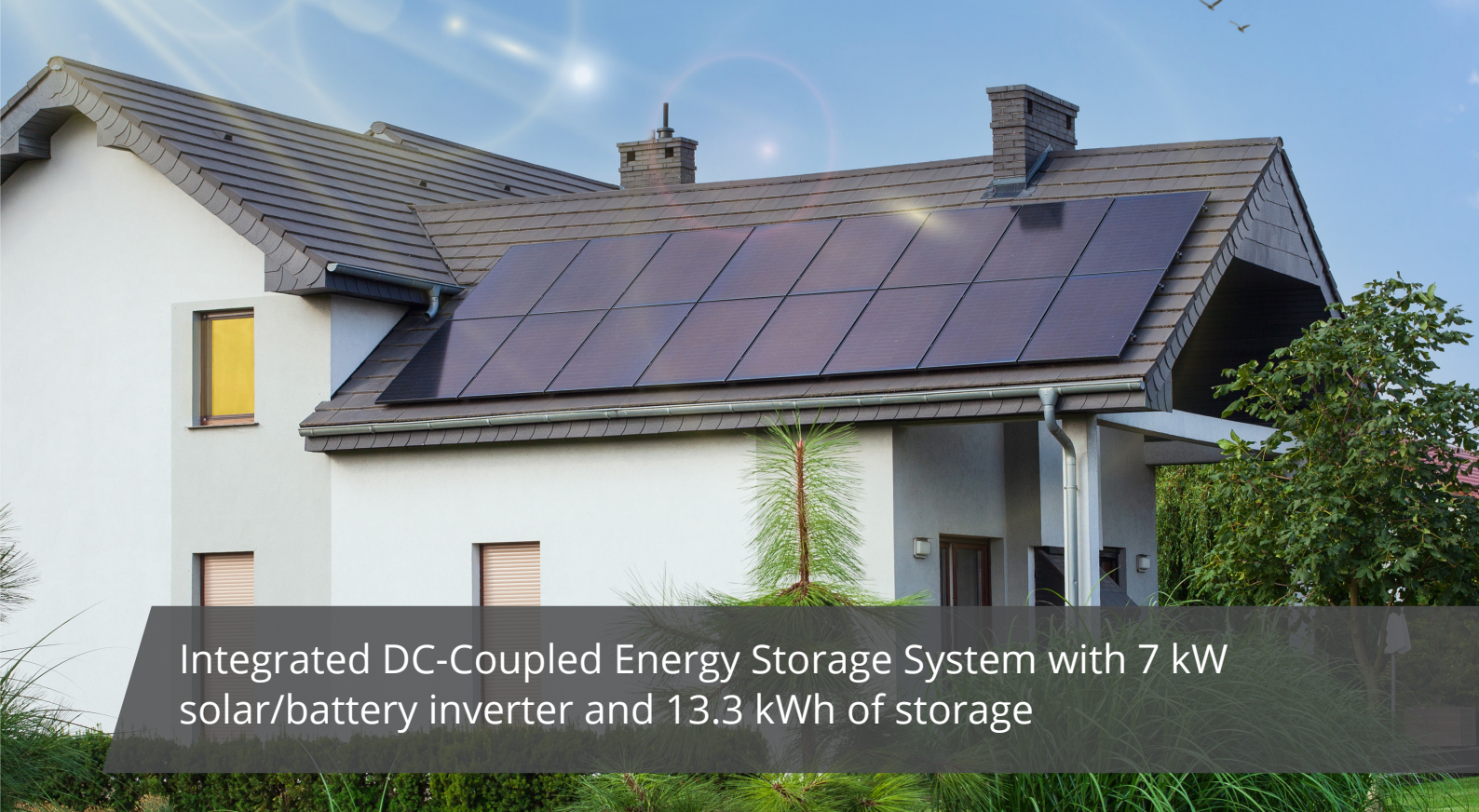
Through the monitoring platform Solar Installers can manage their fleet of installations and proactively respond to customers. The cloud-based software platform Redx™ Power and App enables customers to track generation, consumption and storage, with the ability to trade power.

PARALLEL SUPPORT MULTI UNITS

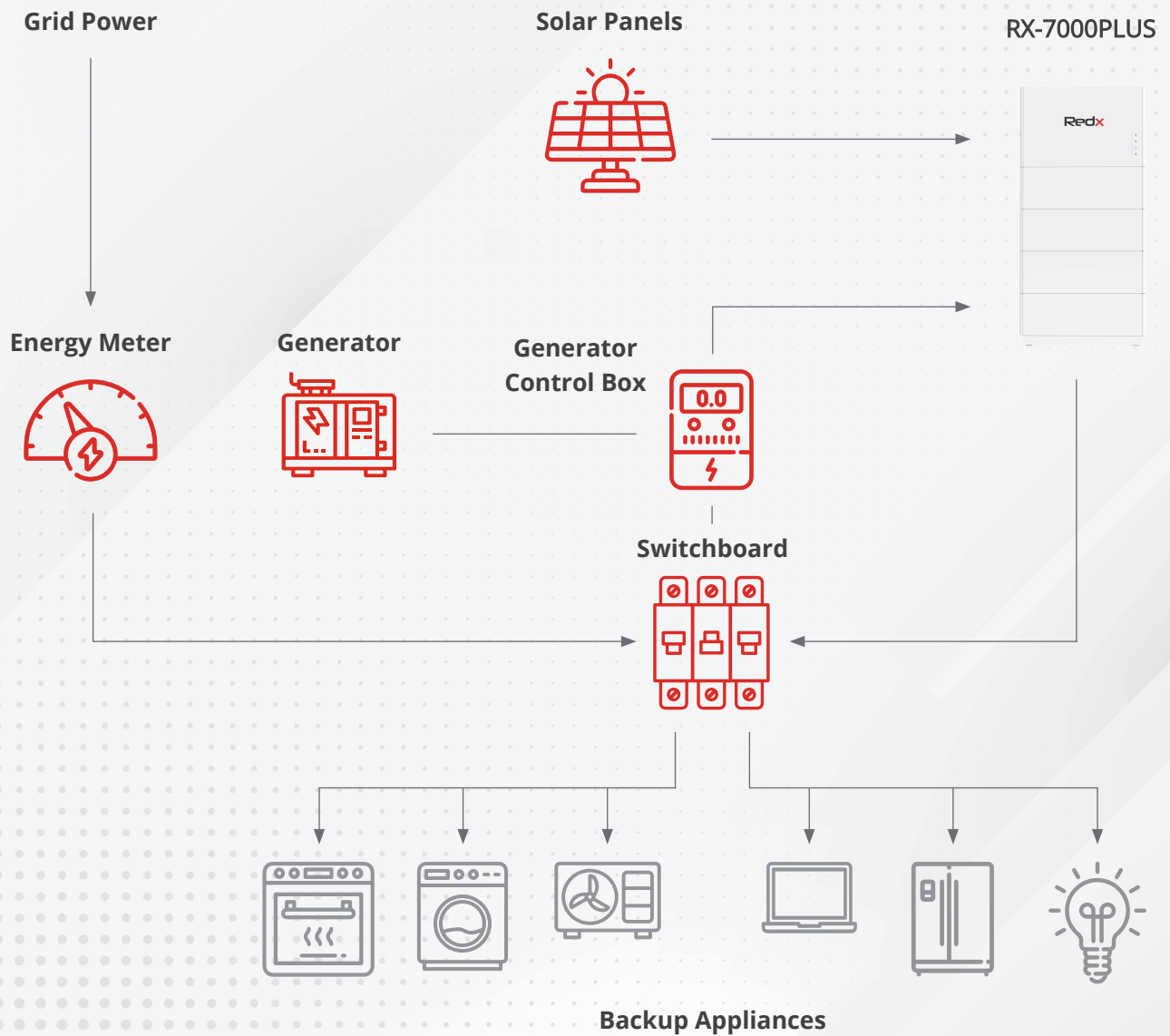
Units in parallel support is an optional feature that enables more than one MNS8000HY unit to work together seamlessly to provide dependable energy storage. When configured in parallel, each battery unit is connected to the system in a manner that guarantees an even distribution of the load across all batteries.

VPP & TRADING

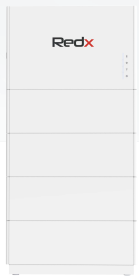
Customers can keep track of their generation and savings with the ability to trade power. With VPP-ready hardware and software, the RX-7000 provides the ultimate next generation with cloud-based real time control, trading and monitoring.



Integrated DC-Coupled Energy Storage System with 7 kW solar/battery inverter and 13.3 kWh of storage



REDX RX-7000PLUS



Integrated Energy Storage System 7,000 Watt solar/battery inverter with 6.6-13.3 kWh of storage

INVERTER

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
AC Outputs	
AC Output Voltage / Frequency	230V / 50Hz
Maximum Output Power - Continuous	7,000W
Maximum Output Power - 10 seconds	8,000W
Maximum Output Power - Battery only	7,000W
Max Efficiency	97.4%
Total Harmonic Distortion (THD)	<5%
Power Factor Nominal Range	0.8 leading to 0.8 lagging

BATTERY

Capacity	13.3kWh
Depth of discharge (DOD)	94.5%
Battery life	> 6000 Cycles @ 60%SOH
Min/Max Voltage	320V / 460.8V
Nominal Voltage	409.6V
Battery Chemistry	LFP
Max. Efficiency	98% (IGBT)

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

DC INPUT

Max. PV Input Power	9kW
Max. PV Input Current	16A
Max. PV Input Voltage	550V
MPP Voltage range	120V - 500V
No. of independent MPP inputs	3
Max. DC short-circuit current	20A / 20A / 20A

MECHANICAL

Weight	174 kg(13.37kWh)
Dimensions	1689mm H * 784mmW * 220mm D (13.37kWh)

GENERAL

Internal on/off grid switching	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/Ethernet/RS485/Wifi/4G/GPRS

ENVIRONMENTAL / OPERATIONAL RANGE

Ingress rating	IP65
Operating temperature range (charging)/(discharging)	-20°C~55°C
Cooling	Natural cooling
Relative Humidity	5-95%

¹ Manufacturer specified test conditions.

Product specifications are subject to change without prior notice.



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