The Smart Battery System

The perfect way to upgrade your customer's existing solar systems. Help them achieve higher levels of self-sufficiency and grid independence by adding a Redback AC-coupled battery storage solution to their solar.

The Redback Smart Battery System comes in three convenient sizes so you can ensure your customers have the right amount of storage for their energy needs.

SB9600 / SB14200



*When backup circuit is connected, and battery energy is available. Appliances selected at the time of install.





7.2kWh, 9.6kWh or 14.2kWh Battery Storage



Backup Supply in a Power Outage*



Compatible With Most Modern Solar Systems



Indoor or Outdoor Installation



Easy Monitoring App and Portal



Australian-supported 10-Year Warranty

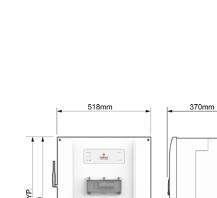
The Smart Battery System

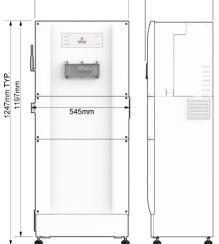
Scan to Download System Information Pack



	The Smart Battery System		
Product Model	SB7200	SB9600	SB14200
Grid Interactive Port			
Nominal Output Voltage	AC 230V	AC 230V	AC 230V
Nominal Output Frequency	50 Hz	50 Hz	50 Hz
Max. Output Current	AC 14.3A	AC 19.6A	AC 19.6A
Rated Output Apparent Power	3300VA	4500VA	4500VA
Rated Input Current	AC 30.4A	AC 39.1A	AC 39.1A
Rated Input Apparent Power	7000VA	9000VA	9000VA
Power Factor (range)	0.8 lagging to 0.8 leading	0.8 lagging to 0.8 leading	0.8 lagging to 0.8 leading
Output Voltage THD	<3%	<3%	<3%
Backup Port			
Nominal Output Voltage	AC 230V	AC 230V	AC 230V
Nominal Output Frequency	50 Hz	50 Hz	50 Hz
Rated Current	AC 13.4A	AC 19.6A	AC 19.6A
Rated Active Power	AC 3300W	AC 4500W	AC 4500W
Rated Apparent Power	3300VA	4500VA	4500VA
Output Voltage THD	<3%	<3%	<3%
General Information			
Operating Temperature		-20°C to 60°C	
Operating Temperature Derated Output		Below 10°C and over 45°C	
Operating Relative Humidity		0 - 95%	
Operating Altitude		0 - 4000m	
Protective Class		1	
Ingress Protection Rating		IP54	
AC Overvoltage Category		OVC III	
DC Overvoltage Category		OVC II	
Active Anti-islanding Method		Active Frequency Drift	
Inverter Topology		Non-isolated	
Country of Origin		China	
Demand Response Modes		DRM 0	
Standby Self-Consumption		<15W	
Noise Emissions		<30 dBA	
Warranty		10 Years	
Efficiency		To reals	
Maximum Efficiency Physical Data		96.60%	
Installed Weight	130kg	165kg	203kg
Material	Aluminium	Aluminium	Aluminium
Finish	Sealed and powder coated	Sealed and powder coated	Sealed and powder coated
Battery Enclosure Data	Sealed and powder coated	Sealed and powder coated	Sealed and powder coated
Number of Battery Units	3	4	4
Storage Capacity	3x2.4kWh	4x2.4kWh	4x3.55kWh
Battery System Model	RB-HVS-144-50-AC	RB-HVS-192-50-AC	RB-HVS-192-74-AC
Maximum Capacity	7.2kWh	9.6kWh	14.2kWh
Battery Depth of Discharge	90%	90%	90%
Nominal Voltage	DC 144V	DC 192V	DC 192V
Rated Current	DC 25A	DC 192V DC 25A	DC 25A
Fan Specification	DC 12V / 0.3A	DC 12V / 0.3A x2	DC 12V / 0.3A x2
		Class I	Class I
Protective Class	Class I		
Ingress Protection Rating	IP54	IP54	IP54
Material	Steel	Steel	Steel
Finish Isolation Devices	Sealed and powder coated	Sealed and powder coated	Sealed and powder coated
Grid Interactive Port Isolator Rated Operational Current		50A	
•			
Backup Port Isolator Rated Operational Current		32A	
•			
Battery Port Isolator Rated Operational Current	32A		
Battery Cabinet Isolator Rated Operational Current		32A	
Communications Ports and Protocols			
Relays	F	345; 3x Digital I/O; +DC5V & GNE)
User Interface			
Front Panel Display		Coloured LEDs	
Communications	Bluetooth for commissioning;		
	Wi-Fi or ethernet for remote access		
Remote Access	Web Portal; MyRedback App; Redback Install app		
Remote Firmware Updates		Supported	
Power/Energy Monitoring	1 x	utility grade energy meter (class	1)
Certifications and Approvals	AS/NZS 4777.2:2020 IEC 62109-1:2010 IEC 62109-2:2011 IEC 62116:2014 IEC 62040-1:2017 IEC 62477-1:2012 IEC 60529 EN 61000 PCM		
Designed with Installation Standards Considered	RCM CE AS/NZS 3000:2018 AS/NZS 5033:2014 (inc. Amd 1 & 2) AS/NZ5 5139:2019		

AS/NZS 5139:2019





SB7200 Smart Battery System

