The Smart 3-Phase Hybrid System

Redback's Smart 3-Phase Hybrid System is a robust hybrid solution designed for three phase homes or light commercial installations.

The system combines a 10kVA solar inverter with two standard battery storage capacity options of either 9.6 or 14.2kWh and an option for an extended capacity of 19.2 or 28.4kWh. The Smart 3-Phase Hybrid System also includes a pre-wired BoS and integrated isolators to ensure a fast and easy installation.



redback
technologies

9.6kWh, 14.2kWh, 19.2kWh or 28.4kWh Battery Storage Capacity



Backup Supply in a Power Outage*



Streamlined All-In-One Design



Indoor or Outdoor Installation



Easy Monitoring App and Portal



Australian-supported 10-Year Warranty



The Smart 3-Phase Hybrid System

ST10000

1/2

DC 200 - 550V*1

DC 600V*1

DC 12.5/22A DC 15.2/27.6A

AC 400/380V

50 Hz AC 16.5A / phase

10000VA

AC 22.7 A/phase 15000VA

0.8 lagging to 0.8 leading <3%

AC 380/400,3L/N/PE

50 Hz AC 16.5A / phase

AC 10000W

10000VA

16500VA (60 sec max) <3%

DC 180 - 600V

DC 25 A DC 10000W*2

DC 25 A

DC 10000W Li-ion

90%

-35°C to 60°C

Scan to Download System Information Pack

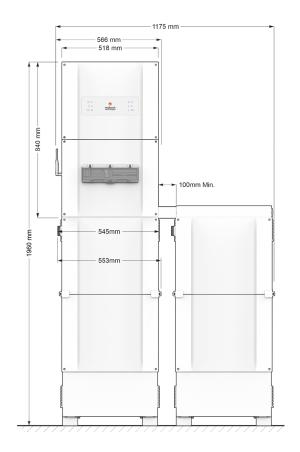


Product Model PV Port Number of MPPTs Strings per MPPT Input MPPT Operating Voltage (range) Maximum Input Voltage (Vmax) Maximum Current (Imp) Short Circuit Current (Isc) Grid Interactive Por Nominal Output Voltage Nominal Output Frequency Max. Output Current Rated Output Apparent Power Rated Input Current Rated Input Apparent Power Power Factor (range) Output Voltage THD **Backup Port** Nominal Output Voltage Nominal Output Frequency Rated Current Rated Active Power Rated Apparent Power Peak Apparent Power Output Voltage THD **Battery Port** Voltage (nominal) Max. Current (charge) Max. Power (charge) Max. Current (discharge) Max. Power (charge) Battery Type Battery Depth of Discharge al Informatio Operating Temperature Operating Temperature Derated Output **Operating Relative Humidity** Operating Altitude Protective Class Ingress Protection Rating AC Overvoltage Category DC Overvoltage Category Active Anti-islanding Method Inverter Topology Country of Origin Demand Response Modes Standby Self-Consumption Noise Emissions Warranty Efficiency Maximum Efficiency Maximum Battery to Load Efficiency European Efficiency **Physical Data** Installed Weight Material Finish **Battery Enclosure Data** Enclosure Model Name Chemistry (label only) Number of Battery Units Storage Capacity Battery System Model Maximum Capacity Nominal Voltage Rated Current Fan Specification Protective Class Ingress Protection Rating Material Finish **Isolation Devices** PV Port Isolator Utilisation Category Grid Interactive Port Isolator Rated Operational Current Backup Port Isolator Rated Operational Current Battery Port Isolator Rated Operational Current Battery Cabinet Isolator Rated Operational Current unications Ports and Protocols Relays User Interface Front Panel Display Communications Remote Access Remote Firmware Updates Power/Energy Monitoring **Certifications and Approvals**

v 10°C and over 45°C 0 - 95% 0 - 4000m IP66 OVC III OVC II Active Frequency Drift Non-isolated China DRM 0 <15W <30 dBA 10 Years 97.60% 97.50% 96.80% 127-210kg Aluminium Sealed and powder coated BE14000-HV Smart Hybrid Battery Enclosure 4 or 8 N x 2.4kWh N x 3.55kWh RB-HVS-Nx48-50 RB-HVS-Nx48-74 28.4kWh*3 DC N X 48V DC 25A DC 12V / 0.3A x2 Т IP54 Steel and powder coated DC-PV2 40A 25A 32A 32A RJ45; 3x Digital I/O; +DC5V & GND Coloured LEDs Bluetooth for commissioning; Wi-Fi or ethernet for remote access Web Portal; MyRedback App; Redback Install app Supported Includes 1 x utility grade energy meter (class 1) AS/NZS 4777.2:2020 IEC 62109-1:2010 IEC62109-2:2011 IEC 62116:2014 IEC 62040-1:2017 IEC 62477-1:2012 IEC 60529 EN 61000 RCM CE AS/N7S 3000 2018

AS/NZS 5033:2014 (inc. Amd 1 & 2)

AS/NZS 5139:2019







*1 600 V maximum voltage for PV arranys on domestic dwellings N = number of battery modules

*2 Dependant on number of batteries installed

Designed with Installation

Standards Considered

*³ Maximum capacity 14.2kWh with single cabinet, or 28.4kWh with optional expansion cabinet.