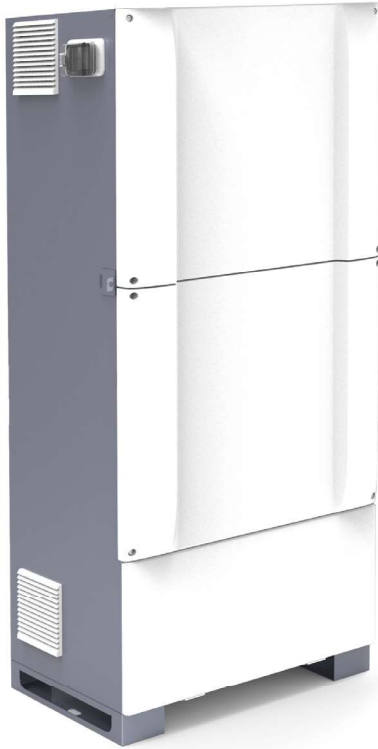


BE14000**Capacity**

4.8 – 14.2kWh

BE14000-HV**Capacity**

9.6 – 28.4kWh

Indoor/Outdoor Rated

Designed and tested to endure the harshest weather conditions throughout Australia, rated IP54.

Optimal Cooling

Dual variable speed fans controlled by our intelligent control software.

Plug and Play

For fast, low-cost installation, including approved DC isolator.

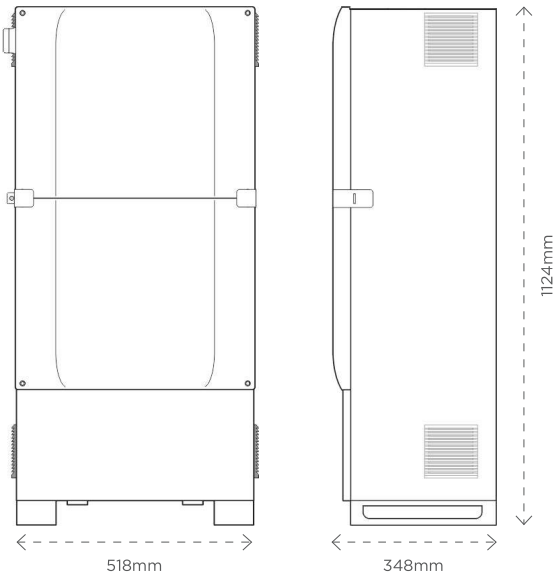
Front Panels

Powder-coated, durable and die-cast aluminium covers.

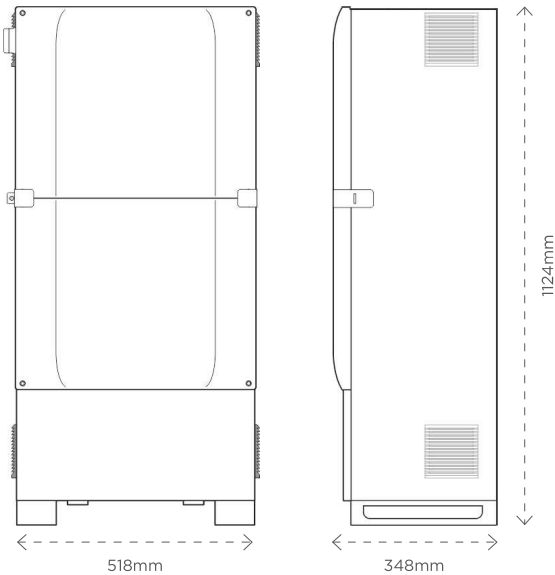
Energy for the future

Redback Technologies has a vision to enable every household and business to be entirely powered by low cost renewable energy all day, every day. The Redback Smart Hybrid System is the platform which facilitates all energy users to participate in the network of the future through clean, efficient and smart energy management. Redback Technologies, helping the world switch on renewable energy today for a cleaner tomorrow.

BE14000



BE14000-HV



Specifications

BATTERY ENCLOSURE Compatible Smart Hybrid System	BE14000 SH5000	BE14000-HV ST10000
Number of battery units	2-4 x 19" rack mountable battery packs	4 x 19" rack mountable battery packs
Storage capacity	Up to 14.2kWh (4 x 3.55kWh PylonTech batteries)	Expandable from 9.6kWh up to 28.4kWh with expansion pack
Battery voltage	48V DC nominal	192V DC nominal
Battery chemistry	Lithium-ion Phosphate	
Access type	Removable front panels	

CABLE SPECIFICATION		
Battery cable rating	4 x 65A	25A
Battery cable type	8 AWG (8.36mm ²)	
Battery cable termination (battery enclosure)	Surlok Amphenol connector	
Battery cable termination (inverter)	Surlok Amphenol connector	
BMS cable type	Supplied	

VENTILATION SPECIFICATION		
Ventilation type	Passive and active cooling	
Ventilation control	Smart temperature control	
Number of fans	2	
Fan power	48V DC / 0.04A per fan	12V DC / 0.13A per fan
Fan activation temperature	Variable depending on charge/discharge	
Incoming ventilation aperture	288cm ² with washable filter	
Outgoing ventilation aperture	288cm ² with washable filter	
Passive airflow rate	30cm ³ /min	
Active airflow rate	320cm ³ /min	

GENERAL DATA		
External dimension	W 518mm x H 1124mm x D 348mm (with feet)	W 518mm x H 1124mm x D 348mm (with feet)
Mounting and weight - empty	32kg rear fixing	
Mounting and weight - with batteries	128* - 160kg** *BE14000 + 4 x US2000 **BE14000 + 4 x US3000	128* - 160kg** *BE14000-HV + 4 x H48050, **BE14000-HV + 4 x H48074
Ambient temperature range	Based on battery specification	
Environmental protection rating	IP54 - protected from rain, splashing and spraying	
Noise emissions	Less than 25dB	
Warranty	5 Years	
Construction	Powder coated steel chassis	
Finish	Sealed, powder coated front covers and chassis	
Supply	Ships pre-assembled (excluding batteries)	
Maintenance	Externally serviceable dust filters	