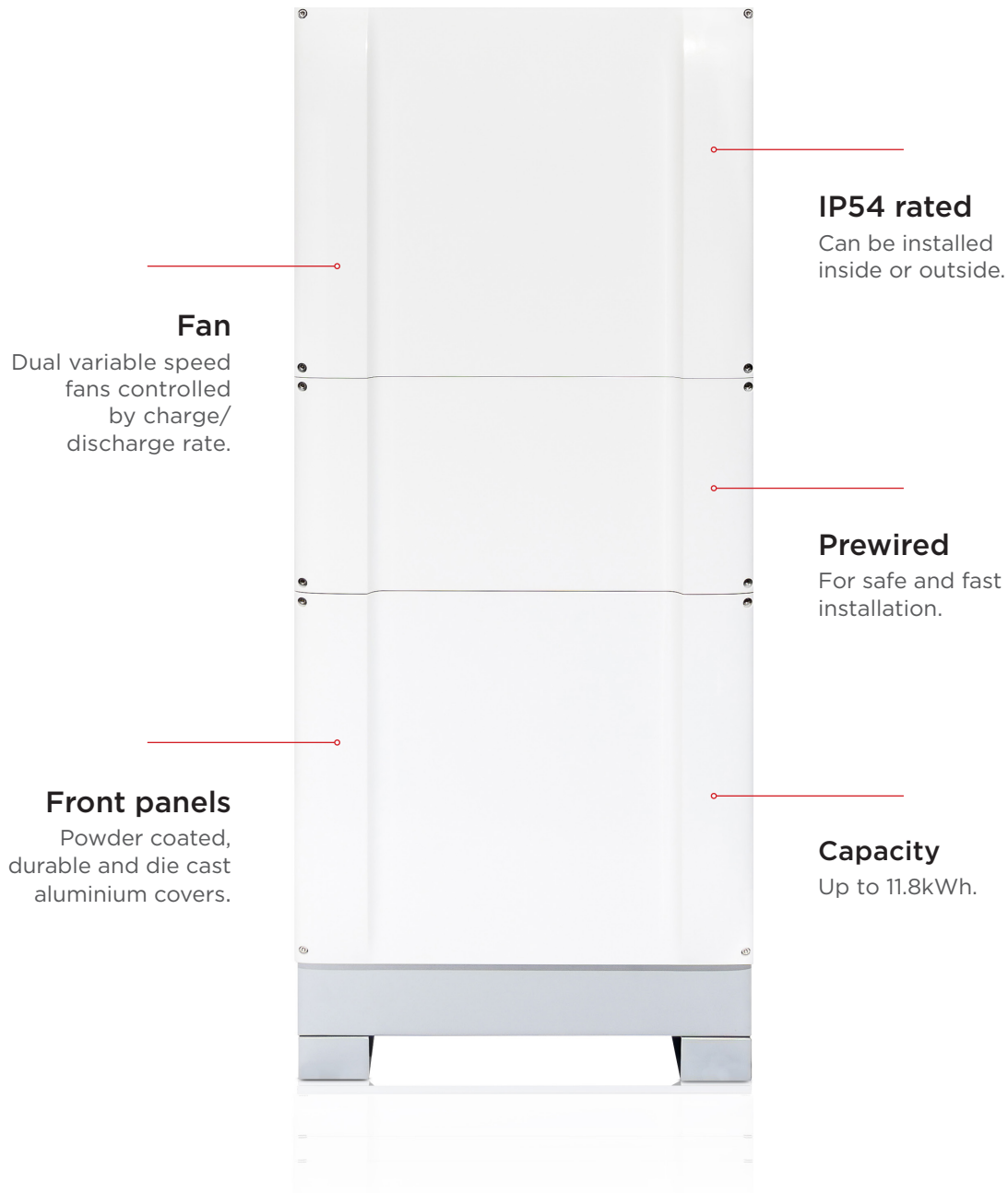


Smart Hybrid Battery Enclosure BE13200



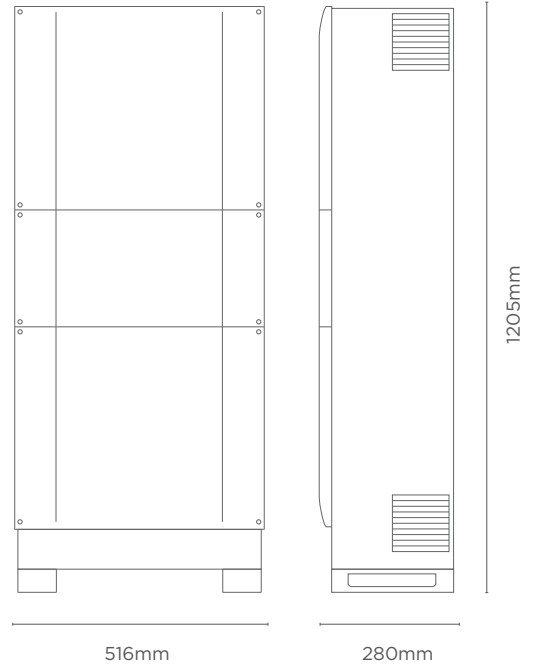
Energy for the future

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.

Energy flow



Dimensions



Specifications

Battery enclosure	BE13200
Number of battery units	Up to 4 x 19" rack mountable battery packs
Storage capacity	Up to 11.8kWh (2 x 2.4kWh + 2 x 3.55kWh Pylon Tech batteries)
Battery voltage	48V DC nominal / 60V DC maximum
Battery chemistry	Lithium-ion with BMS
Access type	Removable front panels
Cable specification	
Battery cable rating	4 x 65A
Battery cable type	8 AWG (8.36mm ²)
Battery cable termination (battery enclosure)	Surlok amphenol connector
Battery cable termination (inverter)	Amphenol H4 (65A)
BMS cable type	Depends on battery type
BMS cable termination	Refer to battery enclosure installation manual
Ventilation specification	
Ventilation type	Passive and active cooling
Ventilation control	Smart temperature control
Number of fans	2
Fan power	48V 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 x H x D)	W 516mm x H 1205mm x D 280mm (with feet)
Mounting and weight - empty	32kg rear fixing
Mounting and weight - with batteries	130kg typical
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
Maintenance	Externally serviceable dust filters