

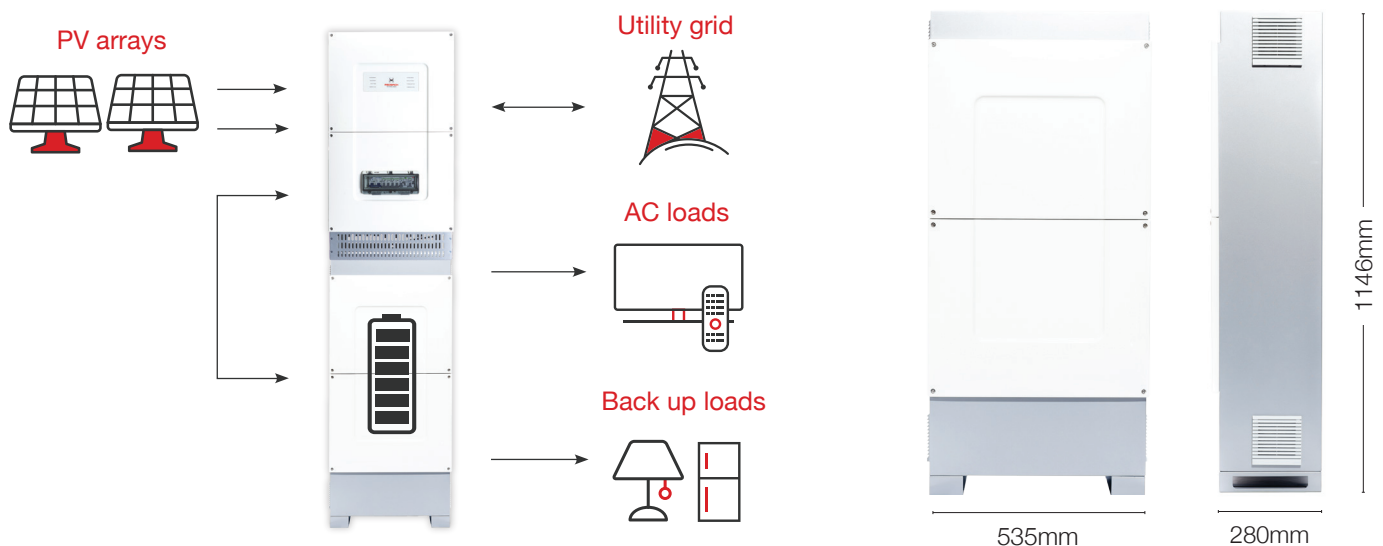
Gen 1.1  
BE9600

# Smart Hybrid Battery Enclosure



- **IP54 battery enclosure**  
robust powder coated  
cast aluminium front covers
- **Pre-wired connections**  
for quick installation
- **Floor or wall mounting**  
easy to install in any location
- **Fan ventilation**  
to increase battery life
- **Modular design**  
add additional storage as  
demand increases
- **All cables supplied**  
for quick battery setup  
and commissioning

## About the tech



# Smart Hybrid Battery Enclosure | Generation 1.1

Battery Enclosure		BE9600
Number of battery units		4 x 19' 2RU rack mountable battery packs
Storage capacity		Up to 9.6kWh (4 x 2.4kWh batteries)
Battery voltage		48V DC nominal / 60V DC maximum
Battery technologies		Lithium ion with BMS
Access type		Removable front panels
Cable Specification		
Battery cable rating		4 x 65A
Battery cable type		8 AWG (8.36mm <sup>2</sup> )
Battery cable termination (battery enclosure)		Dependent on battery type used
Battery cable termination (inverter)		Amphenol H4 (65A)
BMS cable type		Ethernet cable
BMS cable length		1.2m
BMS cable termination		RJ45
Ventillation Specifiction		
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 <sup>2</sup> with washable filter
Outgoing ventilation aperture		288cm <sup>2</sup> with washable filter
Passive airflow rate		30cm <sup>3</sup> /min
Active airflow rate		320cm <sup>3</sup> /min
General Data		
External dimension (W x H x D)		W 535mm x D 280mm x H 1146mm (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
Cooling		Active cooling with redundant fans
Noise emissions		Less than 25dB
Warranty		1 Year
Construction		High grade cast aluminium front covers
Finish		Sealed, powder coated front covers and chassis
Supply		Ships pre-assembled
Maintenance		Externally servicable dust filters