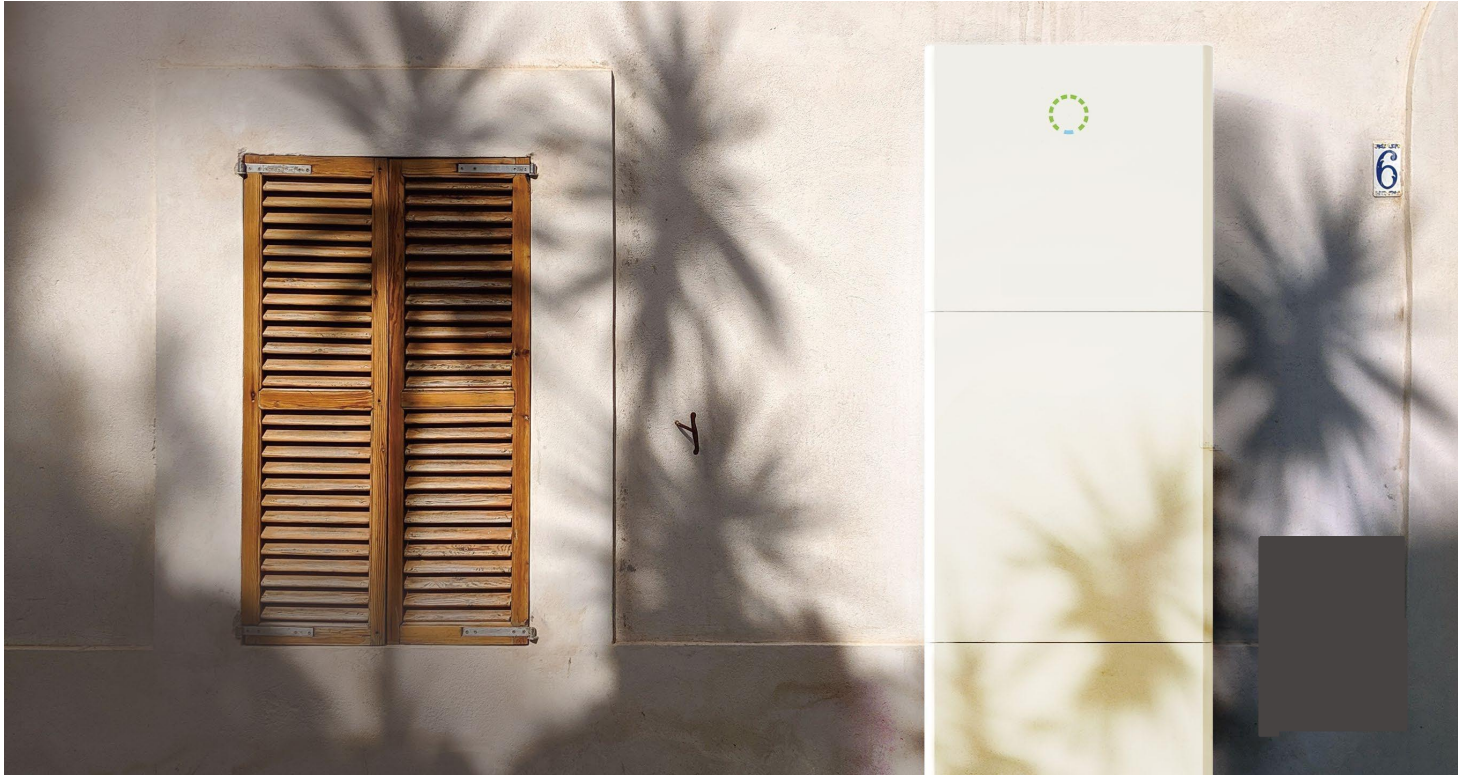




Product Introduction

An AC-coupled all-in-one BESS, compatible with high voltage LFP battery system, can achieve the best function to maximize clean power usage for your home while maintaining a sleek and professional look and making BESS installation easier than ever. Its "Hybrid Ready" design enables users to easily add on-grid PV systems in the future by purchasing an activation code.

Convenient

Battery pre-installed

Quiet

Less than 25 dB,
no noise pollution

Flexible

IP65
Inverter up to 6kW, battery
capacity up to 10kWh

Infinite

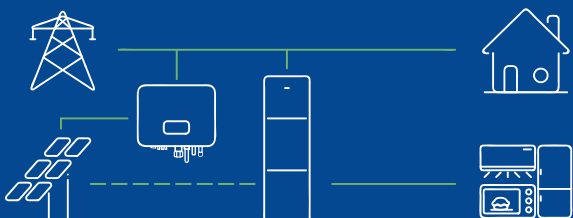
< 10ms UPS level switching time

Informative

Monitor connected PV system
data through the ECOS app

Smart

Supports VPP and IOT



- Autonomous strategy, automatically optimising energy use based on the user's needs and preferences.

Text and images correspond to the current state of technology at the time of printing. Subject to modifications. All information is without guarantee in spite of careful editing- liability excluded.

Technical parameters

Model	WH-SPHA3.6H-5.12kWh WH-SPHA3.6H-10.24kWh		WH-SPHA5.0H-5.12kWh WH-SPHA5.0H-10.24kWh		WH-SPHA6.0H-5.12kWh WH-SPHA6.0H-10.24kWh	
Battery Model	WH-BXB5.12					WH-BXB10.24
Battery Capacity	LFP 5.12kWh				LFP 10.24kWh	
Usable Capacity	4.608kWh				9.216kWh	
Nominal Battery Voltage (d.c.V)	204.8				409.6	
Battery Voltage Range (d.c.V)	160_227.2				320_454.4	
Max. Charge/Discharge Current (d.c.A)			25/25			
Depth of Discharge (%)			90			
AC Input/Output						
Rated output Power (W)	3600		5000		6000	
Rated Apparent Power to Grid (VA)	3600		5000		6000	
Max. Apparent Power to Grid (VA)	3600		5000		6000	
Max. Apparent Power from Grid (VA)	4320		6000		7200	
Rated Voltage (a.c.V)			220/230/240			
Rated Frequency (Hz)			50/60			
Rated AC Current to Grid (a.c.A)	15.6		21.7		26.1	
Max. output current (a.c.A)	17.2		23.9		28.7	
Max. Current from Grid (a.c.A)	18.8		26.1		31.3	
Inrush current (a.c.A)			16 a.c.A (peak), 11.3 us (duration)			
Max. output fault current (a.c.A)			57 (peak), 40 (rms)			
AC output Maximum output overcurrent protection (a.c.A)			40			
AC input power factor			-0.8..+0.8			
AC output power factor			1 (-0.8..+0.8 adjustable)			
THDi			<3%			
EPS Output						
Max. Output Power (W)	3600		5000		6000	
Rated Apparent Power (VA)	4320		6000		7200	
Max. Apparent Power (VA)	4320		6000		7200	
Rated Voltage (a.c.V)			230 (+2%)			
Norminal Frequency (Hz)			50/60 (±0.2%)			
Max. Output Current (a.c.A)	18.8		26.1		31.3	
Max. output fault current (a.c.A)			57 (peak), 40 (rms)			
EPS output Maximum output overcurrent protection (a.c.A)			40			
Switch time (ms)			<10			
THDv @Linear Load (%)			<2			
Power Factor			1 (-0.8..+0.8 adjustable)			
Efficiency						
Max. Efficiency (%)			97.6			
European Efficiency (%)			97			
Battery Discharge Efficiency (%)			96.7			
Protection						
Over/Under voltage protection			Yes			
DC isolation protection			Yes			
DC injection monitoring			Yes			
Residual current detection			Yes			
Anti-islanding protection			Yes			
Over load protection			Yes			
Battery Input reverse polarity protection			Yes			
Surge protection			Yes			
Over heat protection			Yes			
General Data		WH-BXB5.12		WH-BXB10.24		
Dimension (W/D/H)(mm)	550 × 233 × 1125mm				550 × 233 × 1750mm	
Dimension of Packing (W/D/H)(mm)	655 × 302 × 1390mm				655 × 302 × 2085mm	
Net weight (kg)	68				115	
Gross weight (kg)	78				130	
Operation Temp (°C)			-10..+55			
Relative Humidity (%)			0..95			
Altitude (m)			≤3000			
Ingress Protection			IP65			
Cooling			Natural			
Inverter Topology			Non-isolated			
Over voltage category			III(AC), II (DC)			
Protective class			Class I			
Active anti-islanding method			frequency shift			
Human Interface			LED/APP			
BMS Communication Interface			RS485/CAN			
Meter Communication Interface			RS485			
Noise Emission (dB)			<25			
Standby Power Consumption (W)			<5			
Safety and Approvals						
Safety			UN 38.3, IEC 62619, IEC 62100, IEC 62109			
Country			AS/NZS 4772			

Smax=Rated for AS/NZS 4772.2
Made in China