

PowerPod

Residential Single-Phase All-In-One Energy Storage System
3.6-6kW / 5.12-10.24kWh

Smart, Seamless, Sustainable Power for Your Home.

89 Wh/kg
Power Density
Over-configuration

10 years / **30** MWh
Warranty

2 Hours
Installation Time

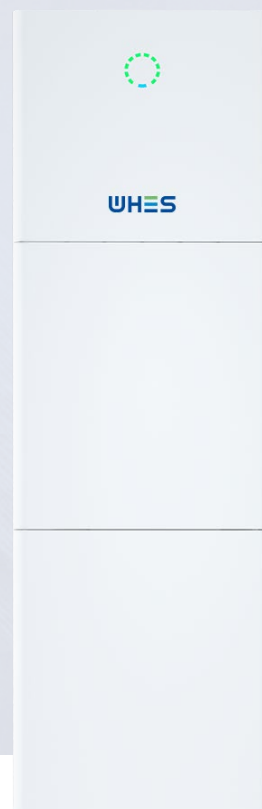
25 dB
Noise

IP **65**
Protection Level

< **10** ms
Switching Time

Powered by

ECOS Smart Home
From WHES



Convenient

- Pre-installed battery for easy installation.
- Fully integrated all-in-one, no extra modules or inverters required.

Flexible

- IP65, indoor or outdoor application.
- Self-power, backup, and load shifting modes.

Quiet

- < 25 dB, no noise pollution.

Smart

- Compatible with VPP and IOT.
- Remote updates & self-diagnosis.

Contact Us

www.whes.com
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PowerPod

Technical Specifications

Model	WH-SPHA3.6H-5.12kWh WH-SPHA3.6H-10.24kWh		WH-SPHA4.6H-5.12kWh ¹ WH-SPHA4.6H-10.24kWh ¹		WH-SPHA5.0H-5.12kWh WH-SPHA5.0H-10.24kWh		WH-SPHA6.0H-5.12kWh WH-SPHA6.0H-10.24kWh	
PV Input								
Absolute Max. Voltage					600 V			
MPPT Voltage Range					100...550 V			
Max. DC Input Power	4800 W		6200 W		6650 W		8000 W	
Start-up Voltage					90 V			
Rated Operating Voltage					360 V			
Max. Input Current					12.5 A/12.5 A			
Max. Inverter Backfeed Current to Array					0 A			
Isc PV					18 A /18 A			
No. of MPP Trackers					2			
No. of Strings per MPP Tracker					1			
Battery Model			WH-BXB5.12				WH-BXB10.24	
Battery Capacity			LFP 5.12 kWh				LFP 10.24 kWh	
Nominal Battery Voltage			204.8 V				409.6 V	
Battery Voltage Range			160...227.2 V				320...454.4 V	
Max. Charge/Discharge Current					25/25 A			
Depth of Discharge					90%			
AC Input/Output								
Rated Output Power	3600 W		4600 W		5000 W		6000 W	
Rated Apparent Power to Grid	3600 VA		4600 VA		5000 VA		6000 VA	
Max. Apparent Power to Grid	3600 VA		4600 VA		5000 VA		6000 VA	
Max. Apparent Power from Grid	7200 VA		9200 VA		10000 VA		12000 VA	
Rated Voltage					220/230/240 V			
Rated Frequency					50/60 Hz			
Rated AC Current to Grid	15.6 A		20 A		21.7 A		26.1 A	
Max. Output Current	17.2 A		22 A		23.9 A		28.7 A	
Max. Current from Grid	31.2 A		40 A		43.4 A		52.2 A	
Max. Output Fault Current					57 A (peak), 40 A (rms)			
AC Output Max. Output Overcurrent Protection					40 A			
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 ²	3600 W		4600 W		5000 W		6000 W	
Rated Apparent Power	4320 VA		5520 VA		6000 VA		7200 VA	
Max. Apparent Power	4320 VA		5520 VA		6000 VA		7200 VA	
Rated Voltage					230 V (±2%)			
Normalinal Frequency					50/60 Hz (±0.2%)			
Max. Output Current	18.8 A		24 A		26.1 A		31.3 A	
Max. Output Fault Current					57 A (peak), 40 A (rms)			
EPS Output Max. Output Overcurrent Protection					40 A			
Switch Time					< 10 ms			
THDv @Linear Load					< 2%			
Power Factor					-0.8...+0.8			
Efficiency								
PV Max. Efficiency					97.6%			
PV Europe Efficiency					97%			
PV Max. MPPT Efficiency					99.9%			
Battery Charge by PV Max. Efficiency					98%			
Battery Discharge Efficiency					96.7%			
Protection								
Over/Under Voltage Protection, DC Isolation Protection, DC Injection Monitoring, Residual Current Detection, Anti-islanding Protection, Over Load Protection, Battery Input Reverse Polarity Protection, PV Reverse Polarity Protection, Surge Protection, Over Heat Protection								
General Data								
Dimension (W*D*H)			WH-BXB5.12				WH-BXB10.24	
Dimension of Packing (W*D*H)			550*233*1125 mm				550*233*1750 mm	
Net Weight			655*302*1390 mm				655*302*2085 mm	
Gross Weight			68kg				115kg	
Operation Temp			78kg				130kg	
Relative Humidity					-10°C...+55°C ³			
Altitude					0...95%			
Ingress Protection					≤ 3000 m			
Cooling					IP65			
Inverter Topology					Natural			
Over Voltage category					Non-isolated			
Protective Class					III (AC), II (DC)			
Active Anti-islanding Method					Class I			
Human Interface					Frequency shift			
BMS Communication Interface					LED/APP			
Meter Communication Interface					RS485/CAN			
Noise Emission					RS485			
Standby Power Consumption					< 25 dB			
					< 5 W			
Standard ⁴								