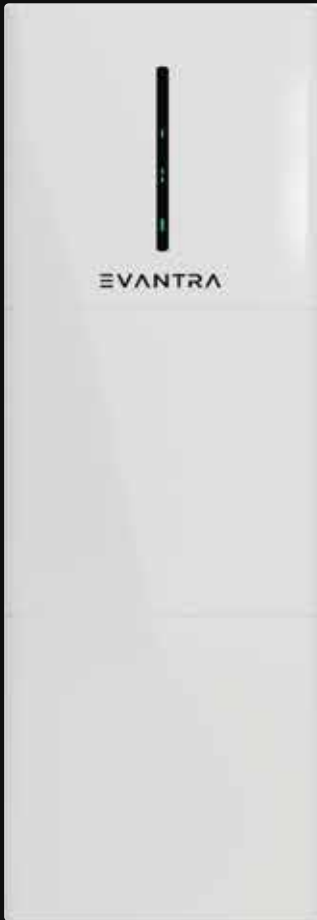


ALL-IN-ONE SPEC SHEET



MODEL	WH-SPHA3.6H-5.12kWh	WH-SPHA5.0H-5.12kWh	WH-SPHA6.0H-5.12kWh
	WH-SPHA3.6H-10.24kWh	WH-SPHA5.0H-10.24kWh	WH-SPHA6.0H-10.24kWh
PV Input			
Absolute max Voltage [V]	600		
MPPT Voltage Range [V]	100...550		
Max. DC Input Power [W]	4800	6650	8000
Start-up Voltage [V]	90		
Rated Operating Voltage [V]	360		
Max. Input Current [A]	12.5/12.5		
Isc PV[A]	18/18		
NO.of MPP Trackers	2		
NO.of Strings per MPP Tracker	1		

Battery Model	WH-BXB5.12	WH-BXB10.24
Battery Capacity	LiFePO4 5.12kWh	LiFePO4 10.24kWh
Nominal Battery Voltage [V]	204.8	409.6
Battery Voltage Range [V]	160...227.2	320...454.4
Max. Charge/Discharge Current [A]	25/25	

AC Input/Output			
Rated Power [W]	3600	5000	6000
Max. Apparent Power to Grid [VA]	3600	5000	6000
Max. Apparent Power from Grid [VA]	7200	10000	12000
Rated Voltage [V]	220/230/240		
Rated Frequency [Hz]	50/60		
Rated AC Current to Grid[A]	16	21.7	26.1
Max.output current	17.2	23.9	28.7
Max. Current from Grid[A]	32	43.4	52.2
Displacement Power Factor	1(-0.8...+0.8 adjustable)		
THDi	< 3%		

EPS Output (With Battery)			
Max. Output Power [W]	3600	5000	6000
Max. Apparent Power [VA]	4320	6000	7200
Rated Voltage [V]	230 (±2%)		
Normal Frequency [Hz]	50/60 (±0.2%)		
Max. Output Current [A]	18.8	26.1	31.3
Switch time [ms]	< 10		
THDv @ Linear Load [%]	< 2		

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	Yes		
DC isolation protection	Yes		
Over current protection	Yes		
DC injection monitoring	Yes		
Residual current detection	Yes		
Anti-islanding protection	Yes		
Over load protection	Yes		
Battery Input reverse polarity protection	Yes		
PV 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*1125	550*233*1750
Dimension of Packing (W/D/H)[mm]	645*302*1370	655*302*2055
Net weight [kg]	68	115
Gross weight [kg]	78	130
Operation Temp [°C]	-10...+55	
Relative Humidity[%]	0...95	
Altitude [m]	<= 4000 (>3000 Derating)	
Ingress Protection	IP65	
Cooling	Natural	
Inverter Topology	Non-isolated	
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	IEC62040.1:2019	AS/NZS 4777.2:2020
	IEC62619	UN38.3
EMC	EN 61000-6-2/3	IEC 61000-3-11/12
	IEC61000-4-2/3/4/5/6/8	



CONTACT US TO GET STARTED!

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