

AGAVE-SH



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

89 Wh/kg
Power Density
Over-configuration

10 years
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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AGAVE-SH

Technical Specifications

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
PV Input			
Max. PV Input Power	4800 Wp	6650 Wp	8000 Wp
Max. Input Voltage		600 V	
Rated Input Voltage		360 V	
Start-up Voltage		90 V	
MPPT Voltage Range		100...550 V	
Max. Input Current		25 A (12.5 A * 2)	
Max. Input Short Circuit Current		36 A (18 A * 2)	
No. of MPPT		2	
No. of PV Strings per MPPT		1	
Battery			
Battery Type		LFP, 3.2 V / 25 Ah	
Battery Pack Configuration		1P*64S, 5.12 kWh	
Battery Capacity		5.12...10.24 kWh	
Rated Battery Voltage / Voltage Range		80...500 V	
Max. Charging / Discharging Current		25 A / 25 A	
AC Input/Output			
Rated Input/Output Power	4320 W / 3600 W	6000 W / 5000 W	7200 W / 6000 W
Max. Apparent Input/Output Power	4320 VA / 3600 VA	6000 VA / 5000 VA	7200 VA / 6000 VA
Rated Input / Output Current	18.8 A / 15.7 A	26.1 A / 21.8 A	31.3 A / 26.1 A
Max. Input / Output Current	18.8 A / 17.2 A	26.1 A / 23.9 A	31.3 A / 28.7 A
Max. Output Fault Current		57 A (peak), 40 A (rms)	
AC Output Max. Output Overcurrent Protection		40 A	
Rated Output Voltage		1/N/PE, 220 V / 230 V / 240 V	
Rated Frequency		50/60 Hz	
Power Factor		1 (-0.8...+0.8 adjustable)	
Total Harmonic Distortion (THDi)		< 3%	
EPS Output			
Rated Output Power ¹	3600 W	5000 W	6000 W
Rated Output Voltage		1/N/PE, 220 V / 230 V / 240 V	
Rated Output Current	18.8 A	26.1 A	31.3 A
Rated Frequency		50/60 Hz	
Back-up Switch Time		<10 ms	
Power Factor		1 (-0.8...+0.8 adjustable)	
Total Harmonic Distortion (THDi)		< 2%	
Efficiency			
PV Max. Efficiency		97.6%	
PV Europe Efficiency		97%	
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			
Topology	Non-isolated		
Dimensions (W*D*H)	550*233*500 mm (Inverter module), 550*233*625 mm (Battery module)		
Weight	21 kg (Inverter module), 47 kg (Battery module)		
Operating Temperature Range	-10°C...+55°C		
Relative Humidity	0%...95%		
Altitude	≤ 3000 m		
Cooling	Natural Convection		
Noise	< 25 dB		
Ingress Protection	IP 65		
Display	LED / APP		
Communication	RS485 / CAN		
Installation	Floor-standing		
Standard ²	UN 38.3, IEC 61000, IEC 62619, IEC 62109, IEC 62477, AS/NZS 4777.2, EN 50549-1, C 10/11, VDE 4105, VDE 0124, MEA/PEA, XP C 15-712-3, VDE 0126, PDC, EN50549-1/RFG/PTPIREE, G98/G99, RD 1699, CEI 0-21, EIFS, PPDS, NRS 097		

¹ Depends on the input power of the photovoltaic and batteries.

² For all standards refer to the certificates category on the WHES website.