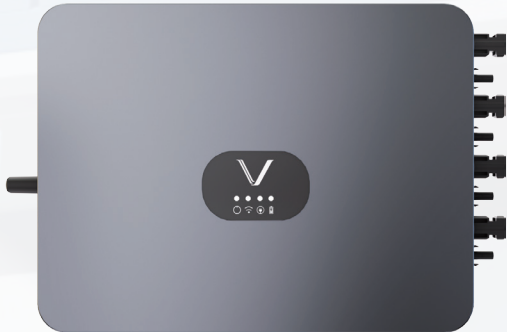


VaySunic Hybrid Microinverter

SolarHub Series

VH2000 2500 3000



3000W AC Bidirectional Power

Charge Faster. Power More.



3000W Solar Input

4 MPPTs. Every Panel at Its Best.



10ms Backup Power

Grid Down . Life Goes On.



AI Energy Management

Save More Automatically.



Scalable Storage

Expand from 2.5kWh to 30kWh.



Plug & Play Installation

Install in Minutes.



12,000-Cycle LFP Battery

Built to Last.



Technical Specifications SolarHub Series



Model	VH2000	VH2500	VH3000
PV Input			
Commonly Module Power (W) ¹		600~750W	
Power (W) ³		3000W (4x750W)	
MPPT Voltage Range (V)		18~60V	
Maximum Voltage (V)		60V	
Max. Input Current (A)		4x20A	
Max. Input Short Circuit Current (A)		4x22A	
MPPT Number		4	
AC Input			
Voltage (V) ²		230, 240 / 184 ~ 253V	
Frequency (Hz) ²		50Hz	
Max. Input Current(A)		13.8A	
Max. Power Range(W)		1000 ~ 3000W*	
On Grid			
Power (W)	2000W	2500W	3000W
Voltage (V) ²		230, 240 / 184 ~ 253V	
Maximum Current (A)	8.7A	10.9A	13A
Frequency (Hz) ²		50Hz	
Max. Output Current(A)		16A	
Overvoltage Class AC Port		III	
Power Factor		0.8(lagging)~0.8(leading), >0.99 (default)	
Total Harmonic Distortion		<3%	
Short Circuit Protection		Yes	
Off Grid			
Peak Output Power (W)		4500W (15s)*	
Maximum Output Continuous Power (W) ²		3000W*	
Voltage (V) ²		230V / 218.5 ~ 241.5V	
Frequency (Hz) ²		50Hz / 49.5 ~ 50.5Hz	
Maximum Current (A)		13A	
EPS Switch Time		≤10ms	
DC Battery			
Model	VB2500D		VB5000D
Capacity	2508.8 Wh		5017.6 Wh
Battery Type		LiFePO ₄ (LFP)	
Cycle Life		12000 Cycles	
Dimensions (W x D x H mm)	538 × 195 × 278mm		538 × 280 × 278mm
Weight (kg)	22.9Kg		34.6Kg
Charging Temperature (°C)		0°C to 50°C	
Discharging Temperature (°C)		-20°C to 55°C	
Storage Temperature (°C)		-25°C to 60°C	
Enclosure rating		IP65	
Relative humidity		5~90%	
Max. operation altitude (m)		≤ 2000	
Compliance		UN 38.3, IEC/EN 62619, IEC/EN 63056, IEC/EN 62477	
Protections			
Short Circuit Protection		Yes	
Insulation Monitoring		Yes	
DC Surge Protection		Yes	
Residual Current Monitoring		Yes	
General Data			
Ambient Temperature Range (°C)		-40°C to 65°C	
Dimensions (W x D x H mm)		327 × 270 × 53mm	
Weight (kg)		6.8Kg	
Efficiency		96.0%	
Enclosure rating		Outdoor IP67	
Relative humidity		5~100%, No condensing	
Max. operation altitude (m)		≤ 2000	
Integrated Wi-Fi		802.11 b/g/n, 2.4 GHz	
Monitoring		VIP Cloud	
Display		LED Indicators; APP	
Compliance		EN/IEC62109-1/2, EN/IEC61000-6-1/-2/-3/-4, EN/IEC62311:2020, EN50665:2017, EN50549-1:2019, EN50549-10:2022, EN300328, EN301489-1/-17	

* a. The PV and battery ports can work together to deliver maximum power. b. When the battery capacity is 2.5 kWh, the maximum AC output/input power from the battery alone is 1200W. When the battery capacity is ≥7.5 kWh, the AC output/input power from the battery alone can be increased to 3000W. c. The maximum power can be utilized for charging from both PV and AC port.

*1 Compatible with 99% of mainstream solar panels. *2 The nominal voltage/frequency range may vary based on local requirements. *3 PV power feeds both inverter output and battery charging. Warranty remains unaffected by this oversizing.