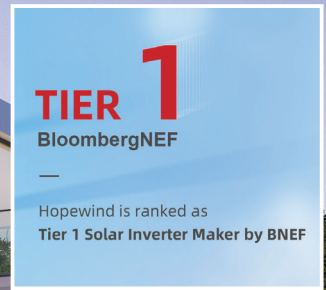
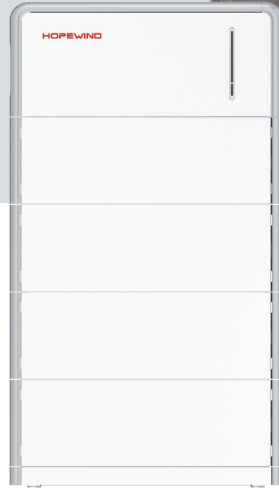


**HOPEWIND**

GREEN RESIDENTIAL SOLUTION

Battery

# HBHV32 M1 Series



## FEATURES



### Self-Consumption Optimization

- Battery storage system balance the feeding and demands
- Grid independence realization



### Benefits from Peak Shaving

- Store the power during off-peak and use the energy at peak-time
- Save on the electricity bills by reducing peak demand



### VPP Revenue

- Manage the stability of clean electricity through cloud-based technology to maximum your revenue
- Enabling a cost reduction, as well as boosting the system's efficiency

## CONFIGURATION TABLE

Model	HV Box (HCHV32-M1)	Module (BMHV32-M1)
HBHV32-S2-M1	1	2
HBHV32-S3-M1	1	3
HBHV32-S4-M1	1	4



# PARAMETERS

## Battery

Model	HBHV32-S2-M1	HBHV32-S3-M1	HBHV32-S4-M1
<b>System Data</b>			
Module Number in Pack	2	3	4
Battery Capacity	32.65 Ah		
Total Energy	6.68 kWh	10.03 kWh	13.38 kWh
Energy (Useable)	6.31 kWh	9.47 kWh	12.63 kWh
Rated Voltage	204.8 V	307.2 V	409.6 V
Output Voltage Range	179~230 V	268~345 V	358~460 V
Operating Voltage Range	185~227 V	278~340 V	371~454 V
Peak Discharge Current	37.76 A @ 5s		
Max. Charging / Discharging Power	8.45 kW	12.68 kW	16.91 kW
<b>General Parameters</b>			
Dimensions (W × D × H)	780 × 176 × 860 mm	780 × 176 × 1100 mm	780 × 176 × 1360 mm
Weight	86.6 kg	120.5 kg	154.4 kg
Ingress Protection	IP65		
Cooling System	Natural cooling		
Operating Altitude	≤2000 m		
Operating Ambient Humidity	5%~95%		
Calendar Life	10 years (25°C), 15 years expandable		
Cycle Life	>6000 cycles (25°C, 60%SOH)		

## Module

Model	BMHV32-M1
Nonimal Capacity	33.25 Ah
Nonimal Energy	3.40 kWh
Rated Capacity	32.65 Ah
Rated Energy	3.34 kWh <sup>2</sup>
Nonimal Voltage	102.4 V
Output Voltage Range	80.0~115.2 V
Shipment Voltage	104.3~105.6 V
Dimensions (W × D × H)	712 × 176 × 250 mm
Weight	33.5 ± 1.0 kg
Ingress Protection	IP65 (in stacked up status)
Operating Altitude	≤2000 m
Connection	32S1P
Communication between Module and HV Box	Daisy chain
Installation	Floor-mounted installation
Shipment Capacity	25~30% SOC
Safety Certification	IEC 62619:2022

## HV Box

Model	HCHV32-M1
Operating Voltage Range	100~750 V
Max. Input / Output Current	32 A
Peak Input / Output Current	37.76 A @ 5 s
Dimensions (W × D × H)	712 × 176 × 300 mm
Weight	14 ± 0.5 kg
Optimal Operating Temperature	15~30°C
Operating Ambient Temperature	-20~+55°C
Module Series Connection	2~4S
Max. Rack Parallel Connection	4P
Ingress Protection	IP65 (in stacked up status)
Communication between HV Box and PCS	CAN2.0 / RS485
Communication between HV Box and Module	Daisy chain
Communication between HV Box	CAN2.0

