

ALL-IN-ONE ESS

HBP1900 VPM Series

3.5~5.5KW | 24V,48V | 3072Wh~5120Wh



All-in-One ESS

3.5~5.5KW inverter with 24V/48V and 3072~5120Wh battery.

Color Display

Easy-to-read screen for real-time monitoring.

Smart Connectivity

Built-in WiFi and BMS for remote monitoring and safe operation.

High-Performance Battery

A-grade LiFePO4 battery, safe and durable.

Flexible Installation

Supports wall-mounted or floor-standing setups.

MAIN PARAMETER

MODEL		HBP19-3524 VPM	HBP19-5548 VPM
Nominal Battery System Voltage		24VDC	48VDC
INVERTER OUTPUT			
Rated power		3500VA / 3500W	5500VA / 5500W
Waveform		Pure sine wave	
AC Voltage Regulation (Batt.Mode)		230VAC±5%(Setting)	
Inverter Efficiency(Peak)		90~93%	
Transfer Time		10ms (UPS / VDE4105) / 20ms (APL)	
AC INPUT			
Voltage		230VAC±5%	
Selectable Voltage Range		170~280VAC(UPS) / 90~280VAC(APL) / 184~253VAC(VED4105)	
Frequency Range		50Hz / 60Hz(Auto sensing)	
SOLAR CHARGER & AC CHARGER			
Maximum PV Array Open Circuit Voltage		400VDC	450VDC
Maximum PV Input Current		18A	28A
Charging Algorithm		4-Step (Li)	
Maximum PV Array Power		4000W	6000W
PV Array MPPT Voltage Range(Typ.)		30~320VDC	60~360VDC
Maximum Solar Charge Current		100A	100A
Maximum AC Charge Current		60A	100A
Maximum Charge Current		100A	100A
LITHIUM BATTERY			
Energy		3072WH	5120WH
Nominal voltage		25.6V	51.2V
Battery capacity		120Ah	100Ah
Protection board		150A	100A
Standard charging & discharge current		125A	100A
Cycle life		6000+ Charge cycle @ 80% DOD,25°C	
Operating temperature	Charge	0~45°C	
	Discharge	-10~60°C	

OTHER PARAMETER

MODEL	HBP19-3524 VPM	HBP19-5548 VPM
MECHANICAL SPECIFICATIONS		
Machine Dimension (W*H*D)(mm)	486*640*160	486*850*160
Package Dimension (W*H*D)(mm)	740*260*600	950*260*600
N.W(kg)	41	58
G.W(kg)	44	61
OTHER		
Installation Mode	Wall-mounted/ Floor-mounted	Wall-mounted/ Floor-mounted
Humidity	5% to 95% Relative humidity (Non-condensing)	
Storage Temperature	-10~45°C	
Communication Interface	USB/WIFI	
Standard Warranty	Inverter: 2 years ; Lithium battery: 5 years	
CERTIFICATION & STANDARDS		
CE-EMC		