

HB-LV 3000W - 5000W

Hybrid Solar Inverter HB-LV Series

HB-LV Series 3000W - 5000W (1 ph in / 1ph out)

Key Features:

- Output power factor PF=1.0
- Built in dustproof components
- Capable to operate without Battery
- Wider PV input voltage range: 60V~300Vdc
- Excellent solar MPPT performance, efficiency up to 99%
- PV generated energy Total and Daily information
- Battery wake-up function
- Excess solar energy can feed in Grid (settable)



Technical Specification:

MODEL	HB-LV 3024	HB-LV 3048	HB-LV 3624	HB-LV 3648	HB-LV 5048
PV Array					
Max.PV Array Power	3600W	3600W	4200W	4200W	6000W
Max.PV Array Open-Circuit Voltage	300VDC				
Start-up Voltage	60VDC				
MPPT Operating Voltage Range	70 - 280VDC				
Nominal Input Voltage	250VDC				
Max. Input Current MPPT	30A				
MPPT Max. Efficiency	99%				
Battery					
Battery Type	Li-ion / Lead-acid				
Nominal Battery Voltage	24V	48V	24V	48V	48V
Battery Voltage Range	21 - 29V	41 - 58V	21 - 29V	41 - 58V	41 - 58V
Max. AC Charging Current	40A	40A	50A	50A	50A
Max. PV Charging Current	80A	80A	100A	100A	100A
Max. Continuous Discharging Current	100A	100A	100A	100A	120A
AC Input					
Nominal Voltage	110 / 115 / 120VAC				
Voltage Range	90 - 140VAC				
Frequency	50 / 60Hz (Auto Sensing)				
Frequency Range	45 - 65Hz				
Max. Input Current	40A				50A
AC Output					
Nominal Voltage	110 / 115 / 120VAC ± 5%				
Output Voltage Waveform	Pure Sine Wave				
Rated Output Power	3000VA / 3000W		3600VA / 3600W		5000VA / 5000W
PeakOutput Power	4500VA		5400VA		7500VA
Nominal Output Frequency	50 / 60Hz				
Transfer Time	10ms				
Efficiency(peak) PV to INV	96.5%				
Efficiency(peak) BAT to INV	91.0%				
Protection					
Over Temperature Protection	Yes				
Overload Protection	3s@≥150% Load; 10s@110%~150% Load				
General Data					
Operating Temperature Range	-10 ~ 50℃				
Relative Humidity	0 - 95%				
Max. Operating Altitude	<4000m				
Cooling Method	Intelligent Fan Cooling				
Display	LED + LCD				
Communication with BMS	RS485				
Communication with Cloud	WiFi / 4G				
Degree of Protection	IP21				
Net Weight (KG)	6.5		6.5		8.4
Machine Size - L*W*H(mm)	326*275*95		326*275*95		363*105*300
Mounting Method	Wall Mounted				

Note : Product Specification are Subject to Change Without Further Notice.