

HB-Dual 3000W - 6200W

Hybrid Solar Inverter HB-Dual Series

HB-Dual Series 3000W - 6200W (120Vac Single phase/240Vac Split phase)

Key Features:

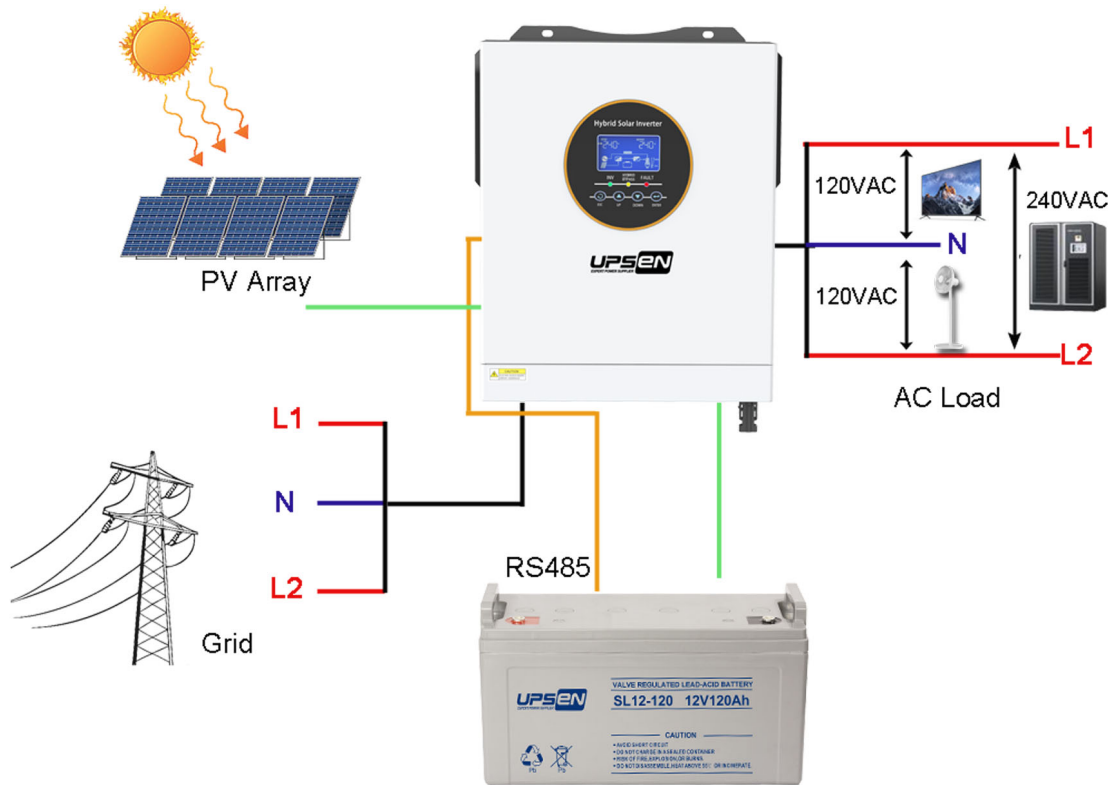
- Output power factor PF=1.0
- Built in dustproof components
- 120Vac single phase and 120/ 240Vac split phase
- With Spilt Phase output:
Output 1: Hot1 / Hot2 +N= 110 / 115 / 120VAC
Output 2: Hot1 – Hot2 = 220 / 230 / 240VAC
- Capable to operate without Battery
- Wider PV input voltage range:100V~500Vdc
- Excellent solar MPPT performance, efficiency up to 99%
- Capable to communicate with battery BMS by RS-485 interface
- Excess solar energy can be powered to Grid (settable)
- Battery wake-up function
- PV generated energy Total and Daily information



Technical Specification:

MODEL	HB-Dual 3048	HB-Dual 3648	HB-Dual 5548	HB-Dual 6248
PV Array				
Max.PV Array Power	3600W	4200W	6600W	7200W
Max.PV Array Open-Circuit Voltage	500VDC			
Start-up Voltage	100VDC			
MPPT Operating Voltage Range	120 - 450VDC			
Nominal Input Voltage	360VDC			
Max. Input Current MPPT	18A			
MPPT Max. Efficiency	99%			
Battery				
Battery Type	Li-ion / Lead-acid			
Nominal Battery Voltage	48V			
Battery Voltage Range	41 - 58V			
Max. AC Charging Current	35A	40A	50A	50A
Max. PV Charging Current	60A	60A	100A	100A
Max. Continuous Discharging Current	80A	80A	120A	135A
AC Input				
Nominal Voltage	240VAC (Split Phase)			
Voltage Range	180 - 280VAC			
Frequency	50 / 60Hz (Auto Following)			
Max. Input Current	40A			
AC Output				
Nominal Voltage	Output 1: Hot1 / Hot2 +N= 110 / 115 / 120VAC ± 5% Output 2: Hot1 – Hot2 = 220 / 230 / 240VAC ± 5%			
Output Voltage Waveform	Pure Sine Wave			
Rated Output Power	3000VA / 3000W	3600VA / 3600W	5500VA / 5500W	6200VA / 6200W
Peak Output Power	4500VA	5300VA	8000VA	8800VA
Nominal Output Frequency	50 / 60Hz			
Transfer Time	10ms			
Efficiency(peak) PV to INV	96.50%			
Efficiency(peak) BAT to INV	93.00%			
Protection				
Over Temperature Protection	Yes			
Overload Protection	3s@≥150% Load; 10s@110%~150% Load			
General Data				
Operating Temperature Range	-10 ~ 50°C			
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)	9	10	10	10
Machine Size - L*W*H(mm)	373*105*300	373*105*300	373*105*300	373*105*300
Mounting Method	Wall Mounted			
Note : Product Specification are Subject to Change Without Further Notice.				

Hybrid Power System:



Battery Lead-acid / Li-ion

Bottom View:

