

HP800 Series

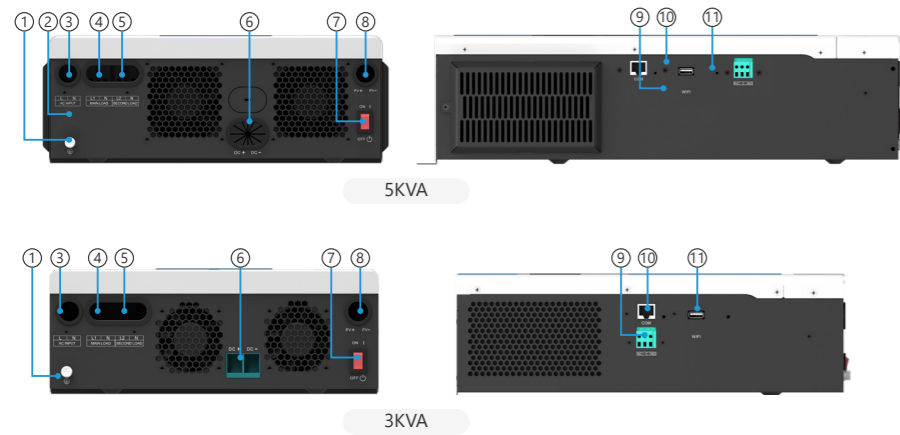
3~6.2KVA | Dual output

HP800 is a multi-function inverter/charger, combining functions of inverter, MPPT solar charger and battery charger to offer uninterruptible power support in portable size. HP800 Series can run without battery. The Maximum PV input voltage can reach 500V and MPPT voltage is 120~450Vdc (for 6.2KW), which Can help customers make full use of solar energy.



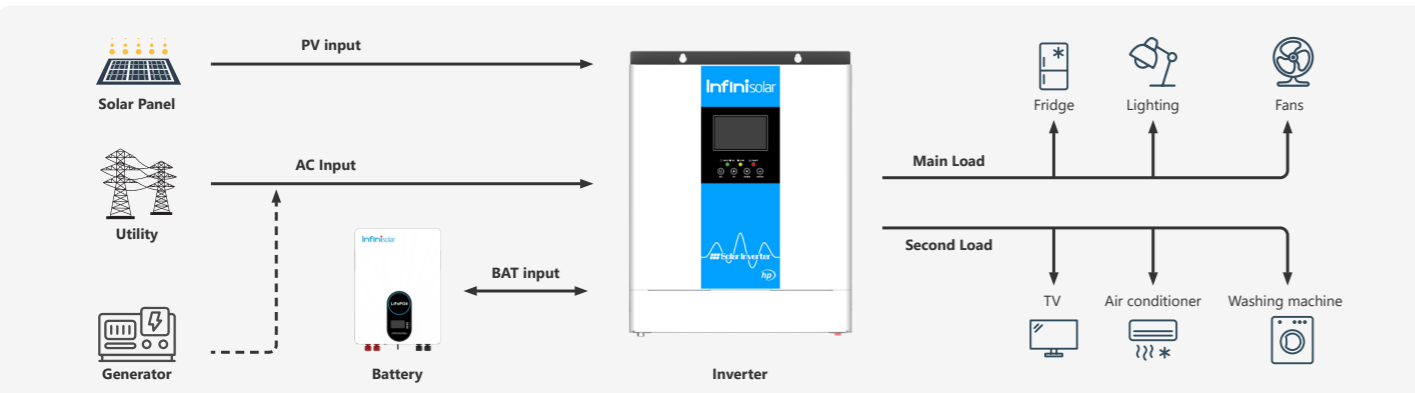
- Pure sine wave output
- Smart LCD setting (Working modes, Charge Current, Charge Voltage, etc).
- Built-in MPPT solar charge controller
- Wide PV input voltage range
- Can provide the power to the load without battery
- Combining solar system, AC utility, and battery power source to supply continuous power
- Overload, short circuit and Deep discharge protection
- Cold start function
- Support USB, RS485 monitoring function
- Dual outputs for smart load management
- Can communicate with lithium batteries (CAN port)
- Wifi monitoring (optional)

Back panel description



1. Ground
2. Input breaker
3. AC Input
4. AC Output1
5. AC Output2
6. Battery Input
7. Power ON/OFF switch
8. PV input
9. Dry Contact
10. RS-485/CAN Communication port
11. WiFi port

Solar system connection



Specification

MODEL	HP800-3024	HP800-3524	HP800-4024	HP800-5548	HP800-6248
Default Battery System Voltage	24VDC	24VDC	24VDC	48VDC	48VDC

INVERTER OUTPUT					
Rated Power (Main+Second Load)	3000VA / 2500W	3500VA / 3500W	4000VA / 4000W	5500VA / 5500W	6200VA / 6200W
Surge Power	5000W	7000W	8000W	11000W	12400W
Waveform	Pure sine wave				
AC Voltage Regulation (Batt.Mode)	230VAC±5%(Setting)				
Inverter Efficiency(Peak)	92%				
Transfer Time	10ms(UPS / VDE4105) / 20ms(APL)				

AC INPUT					
Voltage	230VAC				
Selectable Voltage Range	170~280VAC(UPS) / 90~280VAC(APL) / 184~253VAC(VDE)				
Frequency Range	50Hz / 60Hz (Auto sensing)				

BATTERY					
Normal voltage	24VDC	24VDC	24VDC	48VDC	48VDC
Floating Charge Voltage	27.4VDC	27.4VDC	27.4VDC	54.8VDC	54.8VDC
Overcharge Protection	30VDC	30VDC	30VDC	60VDC	60VDC

SOLAR CHARGER & AC CHARGER					
Maximum PV Input Voltage	400VDC	400VDC	450VDC	450VDC	500VDC
Charging Algorithm	3-Step (Flooded Battery, AGM / GEL / LEAD Battery), 4-Step (Li)				
Maximum PV Array Power	4000W	4000W	4000W	6000W	6200W
PV Array MPPT Voltage Range(Typ.)	60~320VDC	60~320VDC	60~360VDC	60~360VDC	120~450VDC
PV maximum input current	18A	18A	18A	28A	28A
Maximum Solar Charge Current	80A	100A	100A	100A	120A
Maximum AC Charge Current	60A	60A	60A	100A	100A
Maximum Charge Current	80A	100A	100A	100A	120A

MECHANICAL SPECIFICATIONS					
Machine Dimension (W*H*D)	367*290*111mm	367*290*111mm	367*318*122.5mm	454*318*122.5mm	428*318*140mm
Package Dimension (W*H*D)	446*394*187mm	446*394*187mm	459*410*200mm	544.5*410*200mm	550*400*220mm
N.W	5.4kg	5.5kg	6.2kg	8.4kg	10kg
G.W	6.4kg	6.5kg	7.2kg	10.2kg	11.6kg

OTHER					
Humidity	5% to 95% Relativ Humidity (Non-condensing)				
Operating Temperature	0°C~50°C				
Storage Temperature	-15°C -60°C				