

HP800 Series

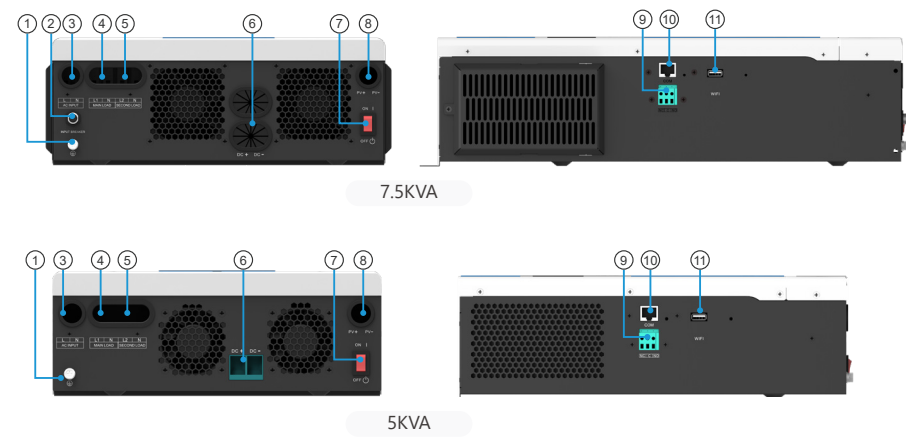
5~7.5KVA | Dual output

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 7.5KVA), which Can help customers make full use of solar energy.



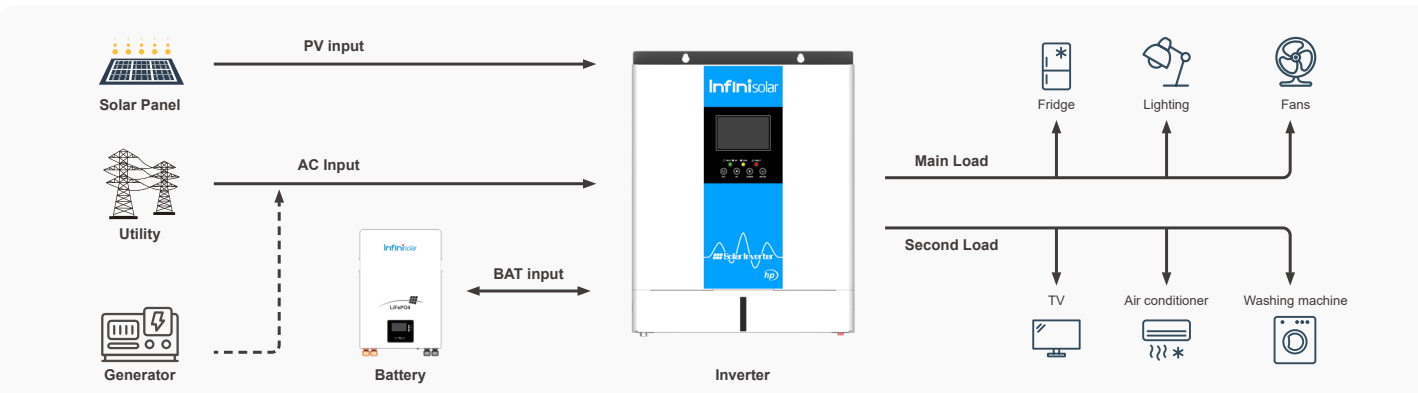
- Pure sine wave output
- Smart LCD setting (Working modes, Charge Current, Charge Voltage, etc).
- Built-in MPPT solar charge controller
- Wide PV input voltage range
- Can provide the power to the load without battery
- Combining solar system, AC utility, and battery power source to supply continuous 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	HP800-5024	HP800-7548
Default Battery System Voltage	24VDC	48VDC
INVERTER OUTPUT		
Rated Power (Main+Second Load)	5000VA / 4000W	7500VA / 6500W
Surge Power	10000VA	15000VA
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	48VDC
Floating Charge Voltage	27.4VDC	54.8VDC
Overcharge Protection	30VDC	60VDC
SOLAR CHARGER & AC CHARGER		
Maximum PV Input Voltage	400VDC	500VDC
Charging Algorithm	3-Step (Flooded Battery, AGM / GEL / LEAD Battery), 4-Step (Li)	
Maximum PV Array Power	4000W	6500W
PV Array MPPT Voltage Range(Typ.)	60~360VDC	120~450VDC
PV maximum input current	18A	28A
Maximum Solar Charge Current	120A	120A
Maximum AC Charge Current	60A	100A
Maximum Charge Current	100A	120A
MECHANICAL SPECIFICATIONS		
Machine Dimension (W*H*D)	367*318*122.5mm	428*318*140mm
Package Dimension (W*H*D)	459*410*200mm	550*400*220mm
N.W	6.2kg	10kg
G.W	7.2kg	11.6kg
OTHER		
Humidity	5% to 95% Relative Humidity (Non-condensing)	
Operating Temperature	0°C~50°C	
Storage Temperature	-15°C -60°C	