

HP800 EXP Series

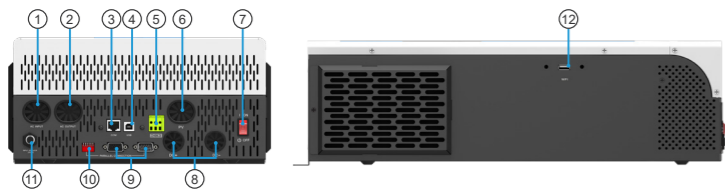
5~7.5KVA | 500V | 100~120A

HP800 EXP 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 EXP Series can run without battery. The Maximum PV array open circuit voltage can reach 500V and MPPT voltage is 150~450Vdc, which Can help customers make full use of solar energy.



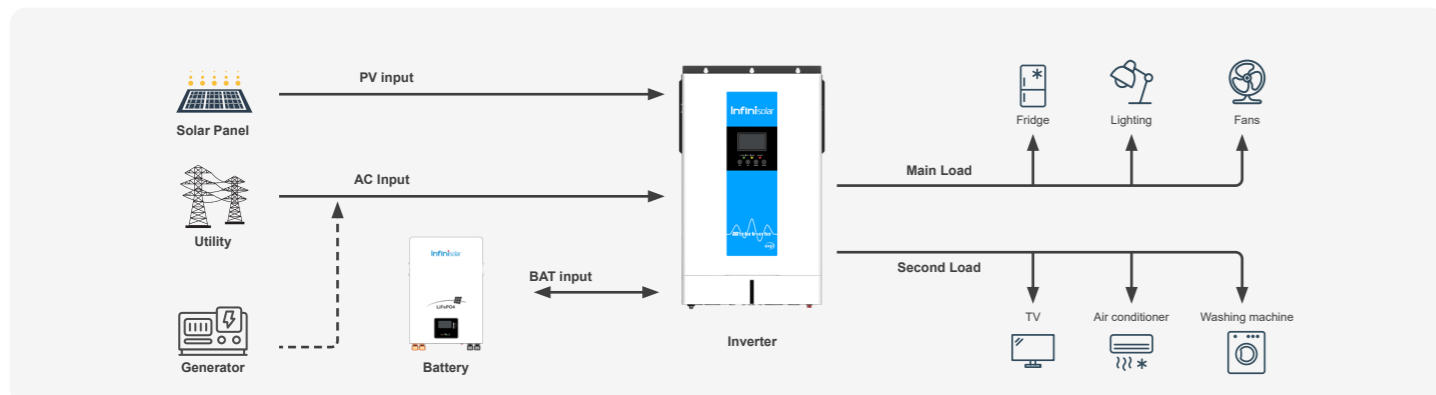
- Pure sine wave output
- Smart LCD setting (Working modes, Charge Current, Charge Voltage, etc).
- Built-in MPPT solar charge controller
- MAX PV Array Open Circuit Voltage: 500V (450V for parallel)
- Can provide the power to the load without battery
- Combining solar system, AC utility, and battery power source to supply continuous power
- Overload, short circuit and Deep discharge protection
- Cold start function
- Support USB, RS485 monitoring function
- Parallel operation with up to 3 units (for 48V mode)
- WIFI remote monitoring (optional)
- Dual outputs for smart load management(optional)
- Can communicate with lithium batteries

Back panel description



1. AC Input
2. AC Output
3. RS-485/CAN Communication port
4. USB
5. Dry Contact
6. PV Input
7. Power On/Off Switch
8. Battery Input
9. Parallel switch (only for parallel model)
10. Parallel communication port (only for parallel model)
11. Circuit breaker
12. USB WiFi

Solar system connection



Specification

MODEL	HP800-5548 EXP	HP800-7548 EXP
Default Battery System Voltage	24VDC	48VDC
INVERTER OUTPUT		
Rated Power	5500VA / 4000W	7500VA / 6500W
Surge Power	11000VA	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 Array Open Circuit Voltage	500VDC (450V for parallel)	
Charging Algorithm	3-Step (Flooded Battery, AGM / GEL / LEAD Battery), 4-Step (Li)	
Maximum PV Array Power	4000W	6500W
PV Array MPPT Voltage Range	150~450VDC (150~430VDC for parallel)	
Maximum Solar Charge Current	100A	120A
Maximum AC Charge Current	80A	100A
Maximum Charge Current	100A	120A
MECHANICAL SPECIFICATIONS		
Machine Dimension (W*H*D)	322*486*134mm	309*505*147mm
Package Dimension (W*H*D)	/	/
G.W	/	/
N.W	/	/
OTHER		
Humidity	5% to 95% Relativ Humidity (Non-condensing)	
Operating Temperature	0°C~50°C	
Storage Temperature	-15°C -60°C	

CERTIFICATION & STANDARDS

CE-EMC+LVD (EN6100-6-3:2007, EN6100-6-1:2017+EN IEC62109-1:2010, EN IEC62109-2:2011)
 EN IEC62368-1:2020+A11:2020
 CE-LVD (IEC62109-1:2010, EN IEC62109-2:2011)
 EN IEC62368-1:2018, EN IEC62109-1:2010, EN IEC62109-2:2011