

HMEXP900 Series

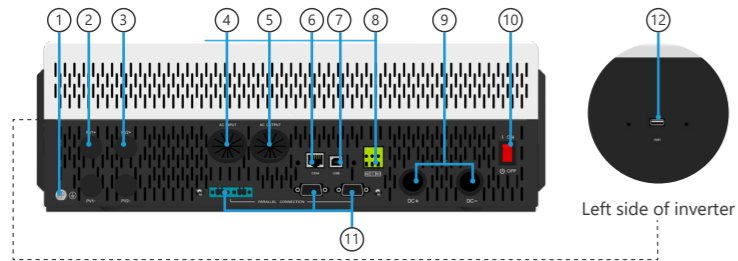
6.2KW | PV500V | 120A | Dual output

HMEXP900 is a multi-function inverter/charger, combining functions of inverter, MPPT solar charger and battery charger to offer uninterruptible power support in portable size. HMEXP900 Series can run without battery. The Maximum PV input voltage can reach 500V and MPPT voltage range is 90~450Vdc, built-in two MPPTs solar charge controller, which can help customers make full use of solar energy.



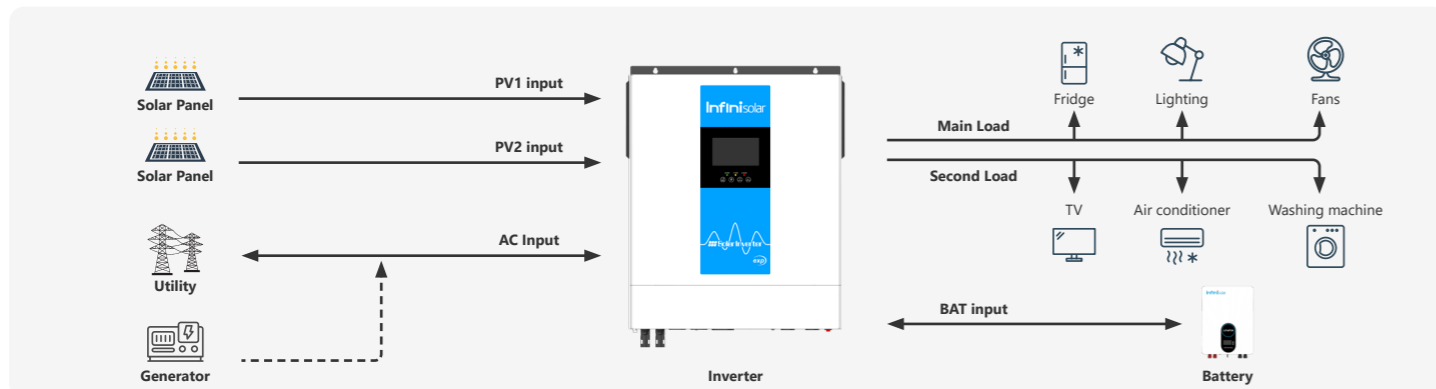
- Dual output for smart load management
- Smart color LCD setting (Working modes, Charge Current/ Voltage, etc).
- Built-in Two MPPTs solar charge controller
- Wide MPPT voltage range is 90~450V, the maximum PV input voltage can reach 500V (450V for parallel)
- Can provide the power to the load without battery
- Combining solar system, AC utility, and battery power source to supply continuous power
- Overload, short circuit and Deep discharge protection
- With BMS lithium battery communication function
- With AC/PV lithium battery activation function
- Support USB, RS485 monitoring function
- Parallel operation with up to 3 units (for 48V mode)
- WIFI remote monitoring (optional)

Back panel description



1. Ground
2. PV1
3. PV2
4. AC input
5. AC output
6. RS-485/CAN Communication port
7. USB port
8. Dry Contact
9. Battery Input
10. Power On/Off Switch
11. Parallel communication port (only for parallel model)
12. Wifi port

Solar system connection



Specification

MODEL	HMEXP900-6248
Default Battery System Voltage	48VDC
INVERTER OUTPUT	
Rated Power	6200VA/6200W
Surge Power	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	48VDC
Floating Charge Voltage	54.8VDC
Overcharge Protection	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*2
Maximum PV Input Current	18A*2
PV Array MPPT Voltage Range	90~450VDC (90~430VDC for parallel)
Maximum Solar Charge Current	120A
Maximum AC Charge Current	100A
Maximum Charge Current	120A
MECHANICAL SPECIFICATIONS	
Machine Dimension (W*H*D)	425*473*145mm
Package Dimension (W*H*D)	/
N.W (kg)	/
G.W (kg)	/
OTHER	
Humidity	5% to 95% Relativ Humidity (Non-condensing)
Operating Temperature	0°C~50°C
Storage Temperature	-15°C -60°C