


Pure Sine wave High Frequency solar Inverter (500V)

PV1900 EXP Series (4KW-6KW)



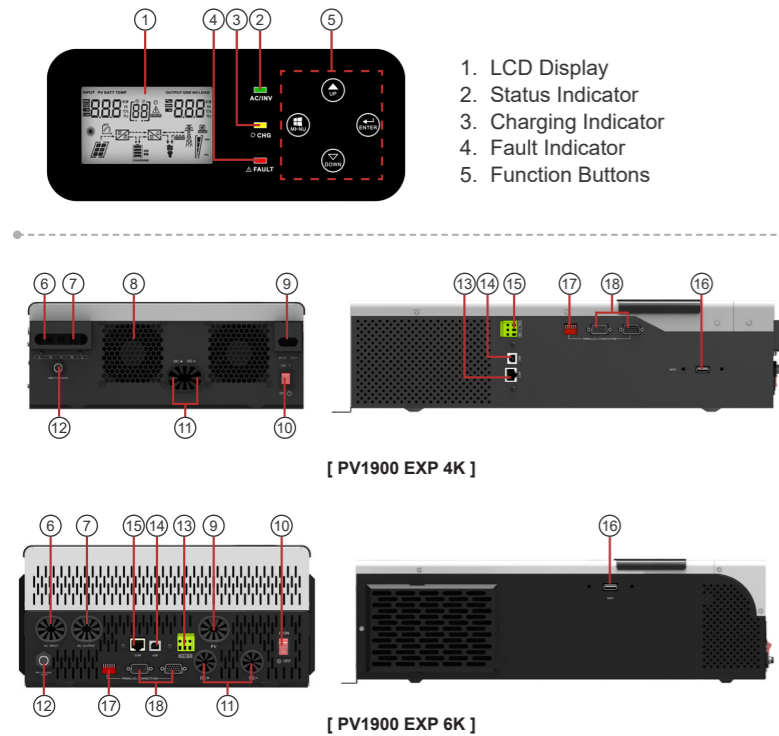
Features

- 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)

Introduction

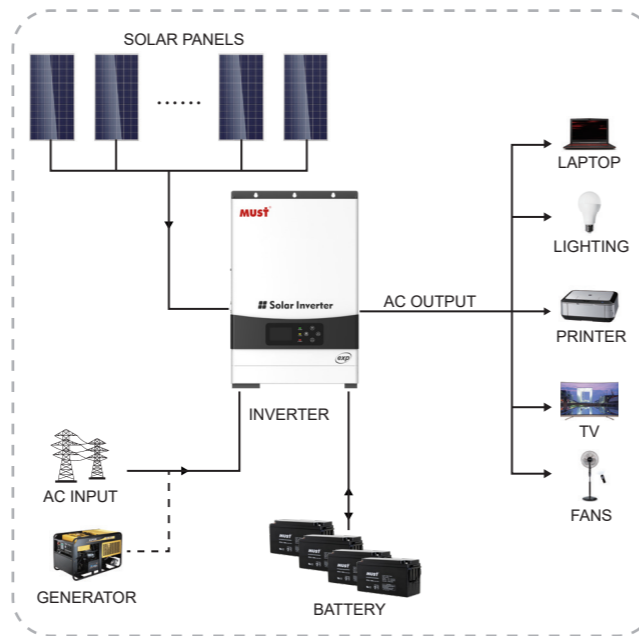
PV1900 EXP is a multi-function inverter/charger, combining functions of inverter, MPPT solar charger and battery charger to offer uninterruptible power support in portable size. PV1900 EXP Series can run without battery. The Maximum PV array open circuit voltage can reach 500V and MPPT voltage is 150~450Vdc, which Can help customers make full use of solar energy.

Back panel printing description



- | | |
|-------------------------|---|
| 6. AC Input | 13. Dry Contact |
| 7. AC Output | 14. USB |
| 8. FAN | 15. RS-485/CAN Communication port |
| 9. PV Input | 16. USB WiFi |
| 10. Power On/Off Switch | 17. Parallel switch (only for parallel model) |
| 11. Battery Input | 18. Parallel communication port (only for parallel model) |
| 12. Circuit breaker | |

Solar system connection



Specification

MODEL	PV19-4024 EXP	PV19-6048 EXP
Nominal Battery System Voltage	24VDC	48VDC
INVERTER OUTPUT	Rated Power	4000VA / 4000W
	Surge Power	8000W
	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±5%
	Selectable Voltage Range	170~280VAC(UPS) / 90~280VAC(APL) / 184~253VAC(VE4105)
	Frequency Range	50Hz / 60Hz(Auto sensing)
BATTERY	Normal voltage	24VDC
	Floating Charge Voltage	27.4VDC
	Overcharge Protection	30VDC
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	5000W
	PV Array MPPT Voltage Range	150~450VDC (150~430VDC)
	Maximum Solar Charge Current	100A
	Maximum AC Charge Current	80A
MECHANICAL SPECIFICATIONS	Machine Dimensions (W*H*D)	322*486*134mm
	Package Dimensions (W*H*D)	/
	Humidity	5% to 95% Relative humidity (Non-condensing)
OTHER	Operating Temperature	0°C~50°C
	Storage Temperature	-15°C ~60°C