


Pure Sine wave High Frequency solar Inverter (500V)

PV1900 EXP Series (4KW-6KW)



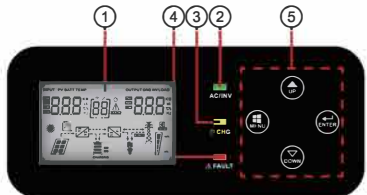
Features

- 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 6~9 units (for 48V mode)
- WIFI remote monitoring (optional)

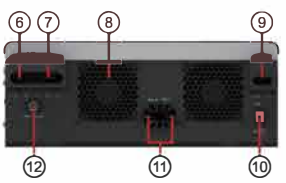
Introduction

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.

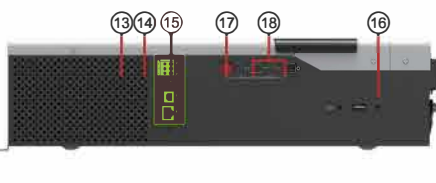
Back panel printing description

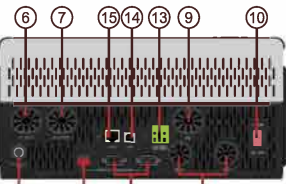


1. LCD Display
2. Status Indicator
3. Charging Indicator
4. Fault Indicator
5. Function Buttons




[PV1900 EXP 4K]





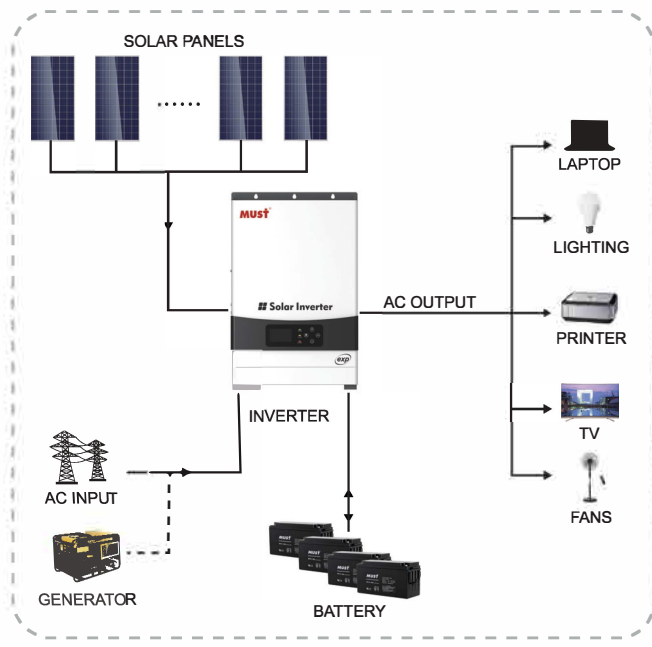
[PV1900 EXP 4K]



[PV1900 EXP 6K]

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	6000VA / 6000W
	Surge Power	8000W	12000W
	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(VED4105)	
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	5000W	6000W
	PV Array MPPT Voltage Range	150~450VDC (150~430VDC)	
	Maximum Solar Charge Current	100A	120A
	Maximum AC Charge Current	80A	100A
	Maximum Charge Current	100A	120A
MECHANICAL SPECIFICATIONS	Machine Dimensions (W*H*D)(mm)	322*486*134	309*505*147
	Package Dimensions (W*H*D)(mm)	426*560*260.5	375*655*269
	Net Weight(kg)	8	14.4
	Gross Weight(kg)	9.5	16.8
OTHER	Humidity	5% to 95% Relative humidity (Non-condensing)	
	Operating Temperature	0°C~50°C	
	Storage Temperature	-15°C ~60°C	