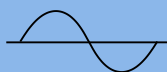




This item is **UL1741** standard, integrated with a **120/240V 12KW** split- phase off grid pure sine wave inverter, **80A AC** charger, MPPT solar charge controllers, and a transfer switch in one package.



Pure Sine Wave



Hybrid Solar Inverter



AC Output



Max Battery Charger

Low Frequency Inverter

Built-in pure copper low-frequency transformer, which is more reliable and sturdy. The transformer handles higher power spikes with longer duration when it comes to driving inductive loads such as electric motors, pumps, compressors, and air conditioners.

Built in MPPT solar controller

It has two 60A MPPT solar chargers which can accept two strings of 60A PV (Max 3500w) input from two solar arrays or parallel to accept 120A (Max 2×3500w) input from one big PV array.

Suitable for different batteries

The unit can use flooded lead-acid, sealed GEL/AGM/LiFePO4 batteries, Compatible with mains voltage or generator which charge the battery or power the load.

LFPV12K-48-120A-SP

HYBRID SOLAR INVERTER

GENERAL INVERTER SPECIFICATIONS	
Nominal Input Voltage	240VAC(HOT1+HOT2)
Max AC Input Voltage	270VAC
Nominal Input Frequency	50Hz/60Hz (Auto detection)
Nominal Charge Current	Max 80A
BACKUP MODE SPECIFICATIONS	
Rated Output Power	12000W
Nominal DC Input Voltage	48VDC
Nominal Output Voltage	120V/240V
Nominal Efficiency	>87%
SOLAR INPUT SPECIFICATIONS	
Dual MPPT Max. power (W)	7000W (3500W+3500W)
MPPT Working range	60-145VDC (for each MPPT)
Maximum PV open voltage	155VDC(for each MPPT)
Dual MPPT charging current	120A (60A+60A)
Number of MPPT Tracker	2
ENVIRONMENTAL SPECIFICATIONS	
Operating Temperature	-10°C to 50°C
Application Type	Indoor only
Humidity	5% ~ 95% Relative Humidity (non-condensing)
Idle Power Consumption	134W
Operating Altitude	0 ~ 1500 Meters
PHYSICAL SPECIFICATIONS	
Dimension: L X W X H (inch)	25.6X17.7X8.8
Net Weight (lb)	154.3
WARRANTY INFORMATION	
2 years	