

LF SERIES

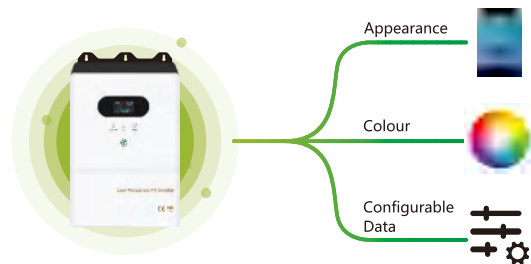
LOW FREQUENCY INVERTER / HYBRID INVERTER



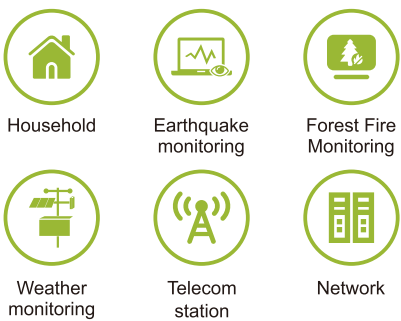
Features

- Pure sine wave, toroidal low loss transformer, customizable mode dual output voltage.
- Smart LCD show equipment status and parameters.
- The adjustable mains charging current range is 0-30A.
- Suffer 3 times peak power, ensure the safe and stable operation of the equipment.
- Support diesel and gasoline generators, suitable for various power grid.
- Suitable for industrial and residential used, wall-mounted design.

OEM/ODM



Application



Technical Parameters

Model :LF	15212/24/48	20212/24/48	30224/48	40224/48	50248	60248	80248	10348	12348
Power									
Rated Power	1500W	2000W	3000W	4000W	5000W	6000W	8000W	10KW	12KW
Phase Type	Single phase L-N ; Split phase can be customized L1-L2,L1-N,L2-N								
Battery									
Standard Battery Voltage	12/24/48VDC		24/48VDC		48VDC				
Battery Type	Lead-acid / Gel Battery / Lithium Battery / Custom battery								
AC Input									
Rated Input Voltage	110VAC/120VAC/220VAC /230VAC/ 240VAC								
AC Input Voltage Range	85VAC~138VAC (110VAC) / 95VAC~148VAC (120VAC) / 170VAC~275VAC (220VAC) / 180VAC~285VAC (230VAC) / 190VAC~295VAC (240VAC)								
AC Input Frequency Range	45Hz~55Hz (50Hz) , 55Hz~65Hz (60Hz)								
AC Output									
Output Wave / Conversion Efficiency	Pure Sine Wave/>85%								
AC Output Voltage / Frequency Range(INV mode)	110VAC±2% / 120VAC±2% / 220VAC±2% / 230VAC±2% / 240VAC±2%, 50/60Hz±1%								
Built-in MPPT Solar Charge Controller (optional)									
Rated Current	30A/60A			100A			100A		
PV Array Max Power	30A:12V(420W)/24V(840W)/48V(1680W) 60A:12V(840W)/24V(1680W)/48V(3360W)			24V(2800W)/48V(5600W)			5600W		
Max PV Input Voltage (Voc) (At The Lowest Temperature)	12V/24V system : 120VDC ; 48V system : 180VDC								
MPPT Tracking Voltage Range	12V System (15V-80V) /24V System (30V-100V) /48V System (60V-140V)								
Other									
Protection	Battery undervoltage protection/Battery overvoltage protection/Overload power protection/ Inverter output short circuit protection/Temperature protection								
Protection Degree	IP20								
Display	LCD								
Cooling Method	Cooling Fan in Intelligent Control								
Communication Interfaces	RS485,APP(WIFI monitoring or GPRS monitoring)Optional								
Working Mode (settable)	Battery priority / Mains priority								
Operating Temperature	-15℃~40℃								
Relative Humidity	0%~95% , No Condensation								
Dimensions and Weight									
Product Size(L*W*Hmm)	470*300*148			530*335*158			684*430*250		
Packing Size(L*W*Hmm)	545*385*223			605*420*233			705*485*315		
N.W.(kg)	13.5	18	20	22	24	26	45	55	58
G.W.(kg)	15	19.5	21.5	24	26	28	52	62	65

Note: 1. Specifications are subject to change without prior notice; 2. Special voltage and power requirements can be customized according to the actual situation of users.