

LF SERIES

LOW FREQUENCY INVERTER / HYBRID INVERTER



Pure sine wave



MPPT



WiFi



Dual output voltage



Configurable Battery



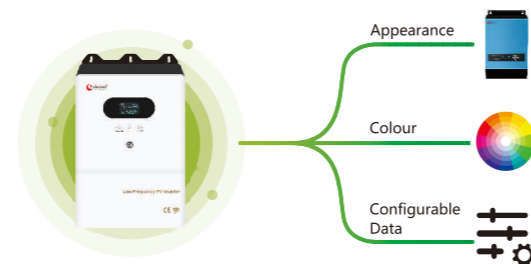
RS232/RS485



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



Household



Earthquake monitoring



Forest Fire Monitoring



Weather monitoring



Telecom station



Network



Technical Parameters

Model :LF	10212/24/48	15212/24/48	20212/24/48	30224/48	40224/48	50248	60248
Power							
Rated Power	1000W	1500W	2000W	3000W	4000W	5000W	6000W
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	24/48VDC	48VDC	48VDC	
Battery Type	Lead-acid / Gel Battery / Lithium Batteries / 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±10% / 120VAC±10% / 220VAC±10% / 230VAC±10% / 240VAC±10%						
Built-in MPPT Solar Charge Controller (optional)							
Rated Current	30A		60A		100A		
PV Array Max Power	12V(420W)/24V(840W)/48V(1680W)		12V(840W)/24V(1680W)/48V(3360W)		6000W	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/RS232,APP(WIFI monitoring or GPRS monitoring)Optional						
Working Mode (settable)	Battery priority / Mains priority						
Operating Temperature	-15°C~40°C						
Relative Humidity	0%~95% , No Condensation						
Dimensions and Weight							
Product Size(L*W*Hmm)	500*300*140			530*335*150			
Packing Size(L*W*Hmm)	565*395*225			605*430*235			
N.W.(kg)	12	13.5	18	20	22	24	26
G.W.(kg)	13.5	15	19.5	21.5	24	26	28

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.