

# OFF GRID

## Low Frequency Inverter

LF Series 5KW 8KW 10KW



Independent  
Module



Customized  
Logo



Multiple  
Shell Colors



Customized  
Capacity

### Features

- Pure sine wave output
- Can support WIFI/GPRS
- MPPT efficiency max 98%
- BMS function for lithium battery
- DC start & automatic self-diagnostic function
- Automatically send signal to start generator
- High efficiency design for optimized battery performance
- Selectable charging current based on applications
- AC start-up voltage auto restart voltage
- lead acid battery/Lithium battery

# LF SERIES

## PRODUCT DESCRIPTION

	LF Series 5KW	LF Series 8KW	LF Series 10KW
Model	LF Series 5KW	LF Series 8KW	LF Series 10KW
AC Input voltage	220VAC(standard)		
Input voltage range	154-264VAC+3V(Nor Model)185-264VAC+3V(UPS model) 110Vmodel: 77-132VAC=3V (Nor Model) 92-132VAC+3V (UPS model)		
Input frequency	50/60Hz±5%		
Out put power	5000W	8000W	10000W
AC model output Voltage	The output voltage under the mains is the same as the input voltage		
AC model outout frequency	The output frequency under the mains is the same as the inputfrequency		
Battery model output voltage	220VAC±10% (custom 110VAC±10%)		
Battery model output frequency	50Hz or 60Hz±1%		
Battery model output wave	Pure sine wave		
Battery type	External lead-acid battery,Gel battery, water battery or Lithium battery		
Battery voltage	48VDC		
Battery charging voltage	54.8VDC		
Maximum PV array power	48V:6400W		
Solar input voltage range	12V:MPPT 15V-105VDC 24V:MPPT 30V-150VDC 48V: MPPT 60V-150VDC		
Maximum PV Display Open Circuit Voltage	12V: PWM 50VDC 24V:MPPT 150VDC 48V:MPPT 150VDC		
Maximum solar charging current	120A		
Maximum AC Charge Current	52A	83A	104A
Transfer time	≤10ms (UPS mode) / ≤20ms (INV mode)		
load peak ratio	(MAX) 3:1		
Protective function	Under mains: Input overcurrent fuse Under inverter: Overload protection, short circuit protection, low voltage protection, (with battery anti-reverse connection board)		
Protective function	You can view parameters such as AC voltage, AC frequency, PV voltage, PV current, output voltage, output frequency, battery voltage, load current and other parameters by turning the page keys.		
Voice prompt	Low battery protection buzzer long beep Low battery buzzer beeps every second Machine fault buzzer beeps Overloadbuzzer beeps When the overload is less than 130%, the buzzer will sound every second,andthe output will be turned off after 30s. When the overload is greater than150%,the output will be turned off after 300ms.		
Operating temperature	-10°C~50°C		
Storage temperature	-15°C~45°C		
Relative temperature	-10°C~90°C no condensation		
Noise	<45dB		