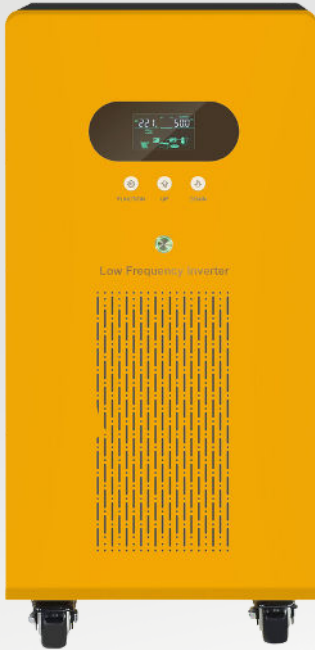


# Off Grid Solar Inverter

## Low Frequency **SX-WF SERIES**



- 0.7KW/1KW/1.5KW/2KW/3KW/3.5KW/4KW/5KW/6KW/7KW/8KW/10KW/12KW/15KW/20KW/25KW/30KW/40KW
- 110V/220V
- 12V/24V/48V/96V/192V/240V/384V

SX-WF Series is a combination of low frequency inverter, AC charger and MPPT solar controller

### Features :

- With Toroidal low-loss transformer, high-efficiency inverter conversion, pure sine wave output
- Intelligent LCD display
- The adjustable mains charging current range is 0-20A
- Provide adjustable working modes: mains priority, inverter priority
- Optional built-in PWM or MPPT solar controller to achieve high-efficiency charging
- Support diesel and gasoline generators, suitable for various grid power
- Support RS485 communication /mobile APP (optional)

# More Image



# Application

## Designed for Areas with:

Unstable grid power, need backup power .

**Main concern is sustainable power supply .**



Ground-mounted solar power system

## Designed for Areas with :

Stable grid power, but electricity price is expensive .

**Main concern is reducing electricity bills.**



Rooftop system on residential buildings



# Data sheet

Model:WF	70112/24	10212/24	15224/48	20224/48	30224/48	35248/96	40248/96	50248/96	60248/96	70248/96/192	
<b>Power</b>											
Rated Power	700W	1000W	1500W	2000W	3000W	3500W	4000W	5000W	6000W	7000W	
Phase Type	Single phase L-N ; Above 8kw Split phase can be customized L1-L2, L1-N, L2-N										
<b>Battery</b>											
Standard Battery Voltage	12/24VDC	12/24VDC	24/48VDC	24/48VDC	24/48VDC	48/96VDC	48/96VDC	48/96VDC	48/96VDC	48/96/192VDC	
Battery Type	Lead-acid battery / Lithium battery / Custom battery										
<b>Built-in Controller MPPT(optional)</b>											
Rated Current	30A			60A			48V:100A,96V:60A				
Maximum PV Input Power	12V(420W) / 24V(840W) / 48V(1680W)			24V(1680W) / 48V(3360W) / 96V(6720W)			48V ( 5600W ) /96V(6720W)				
Max PV Input Voltage(Voc) (At The Lowest Temperature)	12V/24V system : 120VDC ; 48V system : 180VDC ; 96V system : 280VDC										
MPPT Tracking Voltage Range	12V system ( 15V-80V ) ; 24V system ( 30V-100V ) ; 48V system ( 60V-140V ) ; 96V system ( 120V-220V )										
<b>Dimensions and Weight</b>											
Product Size(L*W*Hmm)	340*165*283			410*200*350			491*260*490				
Packing Size(L*W*Hmm)	405x230x340(1PC) / 475x415x350(2PC)			475*265*410			545*315*550				
N.W.(kg)	9.5(1PC)	10.5(1PC)	11.5(1PC)	17	20.5	21.5	29	30	31.5	36	
G.W.(kg)	11(1PC)	12(1PC)	13(1PC)	19	22.5	23.5	32	33	34.5	39	
Model:WF	80248/96/192	10348/96/192	12396/192	153192	203192	253240	303240	403384			
<b>Power</b>											
Rated Power	8KW	10KW	12KW	15KW	20KW	25KW	30KW	40KW			
<b>Battery</b>											
Standard Battery Voltage	48/96/192VDC	48/96/192VDC	96/192VDC	192VDC	192VDC	240VDC	240VDC	384VDC			
Battery Type	Lead-acid battery / Lithium battery / Custom battery										
<b>Built-in Controller MPPT(optional)</b>											
Rated Current	48V:100A, 96V:100A, 192V:50A				100A			100A			
Maximum PV Input Power	48V(5600W)/96V(11.2KW)/192V(11.2KW)				192V(11.2KW*2)/240V(14KW*2)			240V(14KW*2)/384V(22.4KW*2)			
Max PV Input Voltage(Voc) (At The Lowest Temperature)	48V system : 180VDC ; 96V system : 280VDC ; 192V system : 450VDC ; 240V system : 500VDC ; 384V system : 800VDC										
MPPT Tracking Voltage Range	48V system ( 60V-140V ) ; 96Vsystem ( 120V-220V ) ; 192Vsystem ( 240V-360V ) ; 240Vsystem ( 300V-400V ) ; 384Vsystem ( 480V-640V )										
<b>AC Input</b>											
Rated Input Voltage	110VAC/120VAC/220VAC /230VAC/ 240VAC										
AC Input Voltage Range	73VAC-138VAC ( 110VAC ) / 83VAC-148VAC ( 120VAC ) / 145VAC-275VAC ( 220VAC ) / 155VAC-285VAC ( 230VAC ) / 165VAC-295VAC ( 240VAC ) ( 700W-7000W ) 92VAC-128VAC ( 110VAC ) / 102VAC-138VAC ( 120VAC ) / 185VAC-255VAC ( 220VAC ) / 195VAC-265VAC ( 230VAC ) / 205VAC-275VAC ( 240VAC ) ( 8KW-40KW )										
AC Input Frequency	45Hz-55Hz ( 50Hz ) , 55Hz-65Hz ( 60Hz )										
<b>AC Output</b>											
Output Wave	Pure Sine Wave										
Conversion Efficiency	> 85%										
AC Output Voltage / Frequency Range (INV Mode)	110VAC±2% / 120VAC±2% / 220VAC±2% / 230VAC±2% / 240VAC±2% , 50/60Hz±1%										
<b>Other</b>											
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	RS485/APP ( WIFI monitoring or GPRS monitoring )										
Working Mode(settable)	Battery Priority/Mains Priority										
Operating Temperature	-15°C-40°C										
Relative Humidity	0%-95% ,(No Condensation)										
<b>Dimensions and Weight</b>											
Product Size(L*W*Hmm)	540*350*695			593*370*820			721*400*1002				
Packing Size(L*W*Hmm)	600*410*810			656*420*937			775*465*1120				
N.W.(kg)	66	70	77	110	116	123	167	192			
G.W.(kg)	77	81	88	124	130	137	190	215			