

# MODIFIED SINE WAVE POWER INVERTER

Over voltage  
protection



Low voltage  
protection



Over load  
protection



Over temperature  
protection



# 150W Modified sine wave power inverter



## Technical parameters

Model	M-150W-12V	M-150W-24V	M-150W-48V
Rated Power	150W		
Peak Power	300W		
DC Input Voltage Range	DC12V(9.5V-15.5V)	DC24V(19V-31V)	DC48V(38V-62V)
AC Output Voltage (Single Choice)	100V/110V/120V/220V/230V/240V		
Unload Current	≤0.2A	≤0.12A	≤0.08A
Output Frequency	(50Hz±2Hz) or (60Hz±2Hz)		
Output Waveform	Modified sine wave		
Display	/		
USB Output Voltage / Current	5V@3.4A,9V@2A,12V@1.5A (Support QC3.0 fast charge up to 18W)		
Max. Output Efficiency	88%	90%	92%
Low Voltage Protection	"Alarm ""Bi"" with 2s interval +red and green lights flashing alternately restart automatically when voltage recover"		
Over Voltage Protection	" Alarm ""BiBi"" with 1s interval +red and green lights flashing alternately restart automatically when voltage recover"		
Over Load Protection	"Alarm ""Bi"" continously +red light flashing / restart automatically when load power recover; If it is closed after twice recover, it need restart manually."		
Over Temp Protection	" Alarm ""BiBiBi"" with 1s interval +red and green lights flashing alternately restart when temp recover"		
Short Circuit Protection	Yes		
DC Reverse Connection Protection	Fuse burnt		
Low Voltage Alarm Range	10.5v±0.5v	21v±0.5v	42v±0.5v
Low Voltage Protection Range	9.5v±0.5v	19v±0.5v	38v±0.5v
Low Voltage Recover Range	12v±0.5v	23v±0.5v	46v±0.5v
Over Voltage Protection Range	15.5v±0.5v	31v±0.5v	62v±0.5v
Over Voltage Recover Range	14v±0.5v	28v±0.5v	56v±0.5v
Working Temperature	-10°C~50°C		
Cooling Method	Fan cooling (Temperature control)		
Unit Size (mm)			
N.W/G.W(kg)			

# 300W Modified sine wave power inverter



## Technical parameters

Model	M-300W-12V	M-300W-24V	M-300W-48V
Rated Power	300W		
Peak Power	600W		
DC Input Voltage Range	DC12V(9.5V-15.5V)	DC24V(19V-31V)	DC48V(38V-62V)
AC Output Voltage (Single Choice)	100V/110V/120V/220V/230V/240V		
Unload Current	≤0.35A	≤0.15A	≤0.1A
Output Frequency	(50Hz±2Hz) or (60Hz±2Hz)		
Output Waveform	Modified sine wave		
Display	/		
USB Output Voltage / Current	5V@3.4A,9V@2A,12V@1.5A (Support QC3.0 fast charge up to 18W)		
Max. Output Efficiency	88%	90%	92%
Low Voltage Protection	"Alarm ""Bi"" with 2s interval +red and green lights flashing alternately restart automatically when voltage recover"		
Over Voltage Protection	" Alarm ""BiBi"" with 1s interval +red and green lights flashing alternately restart automatically when voltage recover"		
Over Load Protection	"Alarm ""Bi"" continuously +red light flashing / restart automatically when load power recover; If it is closed after twice recover, it need restart manually."		
Over Temp Protection	" Alarm ""BiBiBi"" with 1s interval +red and green lights flashing alternately restart when temp recover"		
Short Circuit Protection	Yes		
DC Reverse Connection Protection	Fuse burnt		
Low Voltage Alarm Range	10.5v±0.5v	21v±0.5v	42v±0.5v
Low Voltage Protection Range	9.5v±0.5v	19v±0.5v	38v±0.5v
Low Voltage Recover Range	12v±0.5v	23v±0.5v	46v±0.5v
Over Voltage Protection Range	15.5v±0.5v	31v±0.5v	62v±0.5v
Over Voltage Recover Range	14v±0.5v	28v±0.5v	56v±0.5v
Working Temperature	-10°C~50°C		
Cooling Method	Fan cooling (Temperature control)		
Unit Size (mm)	177mm*106mm*60mm		
N.W/G.W(kg)	0.64kg/0.88kg		

# 500W Modified sine wave power inverter



## Technical parameters

Model	M-500W-12V	M-500W-24V	M-500W-48V
Rated Power	500W		
Peak Power	1000W		
DC Input Voltage Range	DC12V(9.5V-15.5V)	DC24V(19V-31V)	DC48V(38V-62V)
AC Output Voltage (Single Choice)	100V/110V/120V/220V/230V/240V		
Unload Current	≤0.5A	≤0.3A	≤0.2A
Output Frequency	(50Hz±2Hz) or (60Hz±2Hz)		
Output Waveform	Modified sine wave		
Display	/		
USB Output Voltage / Current	5V@3.4A,9V@2A,12V@1.5A (Support QC3.0 fast charge up to 18W)		
Max. Output Efficiency	88%	90%	92%
Low Voltage Protection	"Alarm ""Bi"" with 2s interval +red and green lights flashing alternately restart automatically when voltage recover"		
Over Voltage Protection	" Alarm ""BiBi"" with 1s interval +red and green lights flashing alternately restart automatically when voltage recover"		
Over Load Protection	"Alarm ""Bi"" continously +red light flashing / restart automatically when load power recover; If it is closed after twice recover, it need restart manually."		
Over Temp Protection	" Alarm ""BiBiBi"" with 1s interval +red and green lights flashing alternately restart when temp recover"		
Short Circuit Protection	Yes		
DC Reverse Connection Protection	Fuse burnt		
Low Voltage Alarm Range	10.5v±0.5v	21v±0.5v	42v±0.5v
Low Voltage Protection Range	9.5v±0.5v	19v±0.5v	38v±0.5v
Low Voltage Recover Range	12v±0.5v	23v±0.5v	46v±0.5v
Over Voltage Protection Range	15.5v±0.5v	31v±0.5v	62v±0.5v
Over Voltage Recover Range	14v±0.5v	28v±0.5v	56v±0.5v
Working Temperature	-10°C~50°C		
Cooling Method	Fan cooling (Temperature control)		
Unit Size	218mm*106mm*60mm		
N.W/G.W	0.9kg/1.19kg		

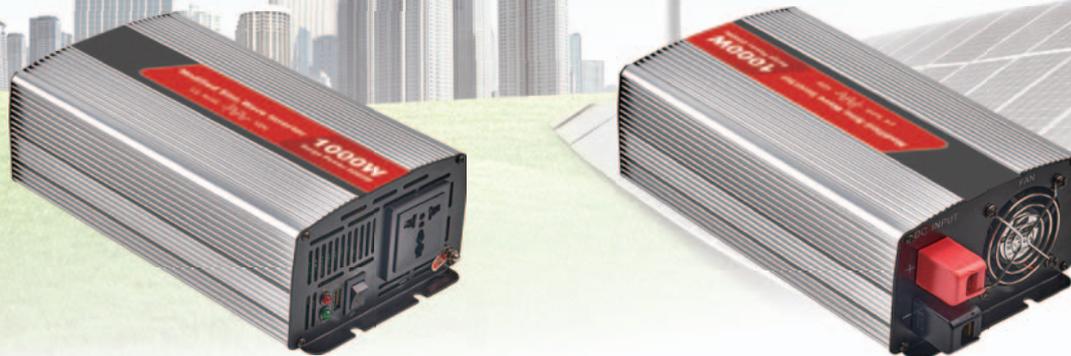
# 600W Modified sine wave power inverter



## Technical parameters

Model	M-600W-12V	M-600W-24V	M-600W-48V
Rated Power	600W		
Peak Power	1200W		
DC Input Voltage Range	DC12V(9.5V-15.5V)	DC24V(19V-31V)	DC48V(38V-62V)
AC Output Voltage (Single Choice)	100V/110V/120V/220V/230V/240V		
Unload Current	≤0.5A	≤0.3A	≤0.2A
Output Frequency	(50Hz±2Hz) or (60Hz±2Hz)		
Output Waveform	Modified sine wave		
Display	/		
USB Output Voltage / Current	5V@3.4A,9V@2A,12V@1.5A (Support QC3.0 fast charge up to 18W)		
Max. Output Efficiency	88%	90%	92%
Low Voltage Protection	"Alarm ""Bi"" with 2s interval +red and green lights flashing alternately restart automatically when voltage recover"		
Over Voltage Protection	" Alarm ""BiBi"" with 1s interval +red and green lights flashing alternately restart automatically when voltage recover"		
Over Load Protection	"Alarm ""Bi"" continuously +red light flashing / restart automatically when load power recover; If it is closed after twice recover, it need restart manually."		
Over Temp Protection	" Alarm ""BiBiBi"" with 1s interval +red and green lights flashing alternately restart when temp recover"		
Short Circuit Protection	Yes		
DC Reverse Connection Protection	Fuse burnt		
Low Voltage Alarm Range	10.5v±0.5v	21v±0.5v	42v±0.5v
Low Voltage Protection Range	9.5v±0.5v	19v±0.5v	38v±0.5v
Low Voltage Recover Range	12v±0.5v	23v±0.5v	46v±0.5v
Over Voltage Protection Range	15.5v±0.5v	31v±0.5v	62v±0.5v
Over Voltage Recover Range	14v±0.5v	28v±0.5v	56v±0.5v
Working Temperature	-10°C~50°C		
Cooling Method	Fan cooling (Temperature control)		
Unit Size	218mm*106mm*60mm		
N.W/G.W	0.9kg/1.19kg		

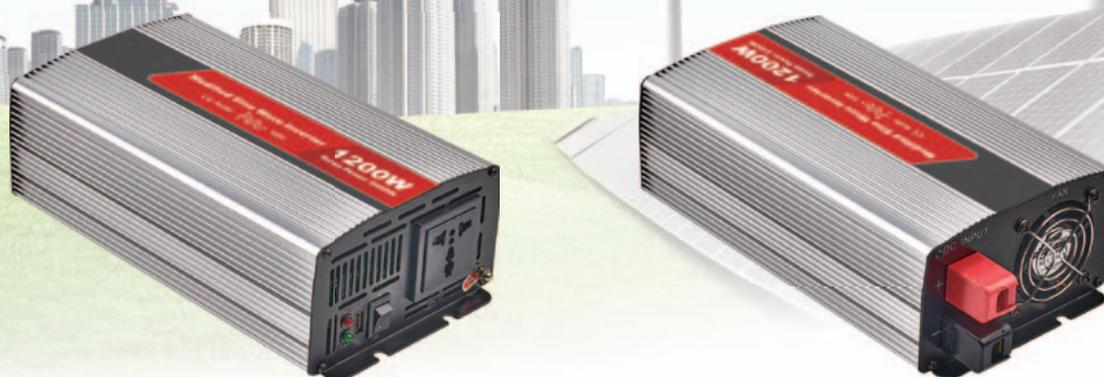
# 1000W Modified sine wave power inverter



## Technical parameters

Model	M-1000W-12V	M-1000W-24V	M-1000W-48V
Rated Power	1000W		
Peak Power	2000W		
DC Input Voltage Range	DC12V(9.5V-15.5V)	DC24V(19V-31V)	DC48V(38V-62V)
AC Output Voltage (Single Choice)	100V/110V/120V/220V/230V/240V		
Unload Current	≤0.5A	≤0.3A	≤0.2A
Output Frequency	(50Hz±2Hz) or (60Hz±2Hz)		
Output Waveform	Modified sine wave		
Display	/		
USB Output Voltage / Current	5V@3.4A,9V@2A,12V@1.5A (Support QC3.0 fast charge up to 18W)		
Max. Output Efficiency	88%	90%	92%
Low Voltage Protection	"Alarm ""Bi"" with 2s interval +red and green lights flashing alternately restart automatically when voltage recover"		
Over Voltage Protection	" Alarm ""BiBi"" with 1s interval +red and green lights flashing alternately restart automatically when voltage recover"		
Over Load Protection	"Alarm ""Bi"" continously +red light flashing / restart automatically when load power recover; If it is closed after twice recover, it need restart manually."		
Over Temp Protection	" Alarm ""BiBiBi"" with 1s interval +red and green lights flashing alternately restart when temp recover"		
Short Circuit Protection	Yes		
DC Reverse Connection Protection	Fuse burnt		
Low Voltage Alarm Range	10.5v±0.5v	21v±0.5v	42v±0.5v
Low Voltage Protection Range	9.5v±0.5v	19v±0.5v	38v±0.5v
Low Voltage Recover Range	12v±0.5v	23v±0.5v	46v±0.5v
Over Voltage Protection Range	15.5v±0.5v	31v±0.5v	62v±0.5v
Over Voltage Recover Range	14v±0.5v	28v±0.5v	56v±0.5v
Working Temperature	-10°C~50°C		
Cooling Method	Fan cooling (Temperature control)		
Unit Size	275mm*135mm*76mm		
N.W/G.W	1.64kg/2.08kg		

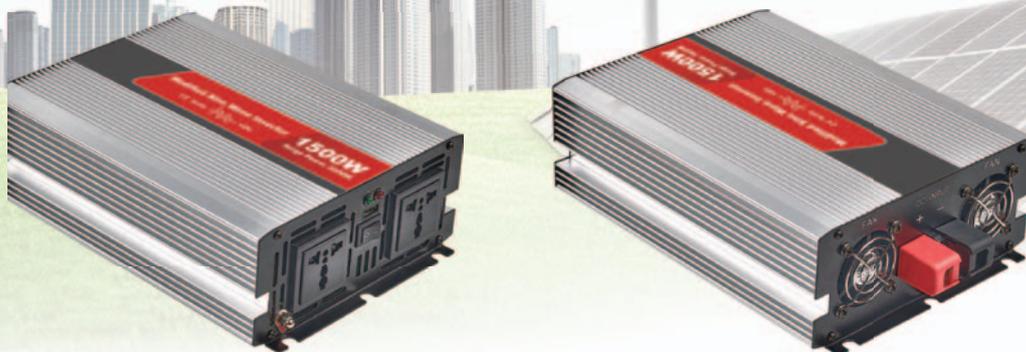
# 1200W Modified sine wave power inverter



## Technical parameters

Model	M-1200W-12V	M-1200W-24V	M-1200W-48V
Rated Power	1200W		
Peak Power	2400W		
DC Input Voltage Range	DC12V(9.5V-15.5V)	DC24V(19V-31V)	DC48V(38V-62V)
AC Output Voltage (Single Choice)	100V/110V/120V/220V/230V/240V		
Unload Current	≤0.5A	≤0.3A	≤0.2A
Output Frequency	(50Hz±2Hz) or (60Hz±2Hz)		
Output Waveform	Modified sine wave		
Display	LED or LCD display		
USB Output Voltage / Current	5V@3.4A,9V@2A,12V@1.5A (Support QC3.0 fast charge up to 18W)		
Max. Output Efficiency	88%	90%	92%
Low Voltage Protection	"Alarm ""Bi"" with 2s interval +red and green lights flashing alternately restart automatically when voltage recover"		
Over Voltage Protection	" Alarm ""BiBi"" with 1s interval +red and green lights flashing alternately restart automatically when voltage recover"		
Over Load Protection	"Alarm ""Bi"" continously +red light flashing / restart automatically when load power recover; If it is closed after twice recover, it need restart manually."		
Over Temp Protection	" Alarm ""BiBiBi"" with 1s interval +red and green lights flashing alternately restart when temp recover"		
Short Circuit Protection	Yes		
DC Reverse Connection Protection	Fuse burnt		
Low Voltage Alarm Range	10.5v±0.5v	21v±0.5v	42v±0.5v
Low Voltage Protection Range	9.5v±0.5v	19v±0.5v	38v±0.5v
Low Voltage Recover Range	12v±0.5v	23v±0.5v	46v±0.5v
Over Voltage Protection Range	15.5v±0.5v	31v±0.5v	62v±0.5v
Over Voltage Recover Range	14v±0.5v	28v±0.5v	56v±0.5v
Working Temperature	-10°C~50°C		
Cooling Method	Fan cooling (Temperature control)		
Unit Size	275mm*135mm*76mm		
N.W/G.W	1.64kg/2.08kg		

# 1500W Modified sine wave power inverter



## Technical parameters

Model	M-1500W-12V	M-1500W-24V	M-1500W-48V
Rated Power	1500W		
Peak Power	3000W		
DC Input Voltage Range	DC12V(9.5V-15.5V)	DC24V(19V-31V)	DC48V(38V-62V)
AC Output Voltage (Single Choice)	100V/110V/120V/220V/230V/240V		
Unload Current	≤0.5A	≤0.3A	≤0.2A
Output Frequency	(50Hz±2Hz) or (60Hz±2Hz)		
Output Waveform	Modified sine wave		
Display	LED or LCD display		
USB Output Voltage / Current	5V@3.4A,9V@2A,12V@1.5A (Support QC3.0 fast charge up to 18W)		
Max. Output Efficiency	88%	90%	92%
Low Voltage Protection	"Alarm ""Bi"" with 2s interval +red and green lights flashing alternately restart automatically when voltage recover"		
Over Voltage Protection	" Alarm ""BiBi"" with 1s interval +red and green lights flashing alternately restart automatically when voltage recover"		
Over Load Protection	"Alarm ""Bi"" continously +red light flashing / restart automatically when load power recover; If it is closed after twice recover, it need restart manually."		
Over Temp Protection	" Alarm ""BiBiBi"" with 1s interval +red and green lights flashing alternately restart when temp recover"		
Short Circuit Protection	Yes		
DC Reverse Connection Protection	Fuse burnt		
Low Voltage Alarm Range	10.5v±0.5v	21v±0.5v	42v±0.5v
Low Voltage Protection Range	9.5v±0.5v	19v±0.5v	38v±0.5v
Low Voltage Recover Range	12v±0.5v	23v±0.5v	46v±0.5v
Over Voltage Protection Range	15.5v±0.5v	31v±0.5v	62v±0.5v
Over Voltage Recover Range	14v±0.5v	28v±0.5v	56v±0.5v
Working Temperature	-10°C~50°C		
Cooling Method	Fan cooling (Temperature control)		
Unit Size	310mm*180mm*76mm		
N.W/G.W	3.0kg/3.65kg		

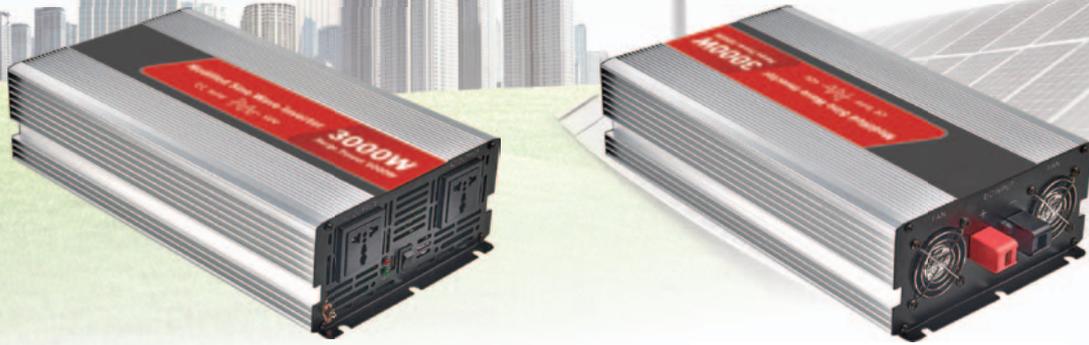
# 2000W Modified sine wave power inverter



## Technical parameters

Model	M-2000W-12V	M-2000W-24V	M-2000W-48V
Rated Power	2000W		
Peak Power	4000W		
DC Input Voltage Range	DC12V(9.5V-15.5V)	DC24V(19V-31V)	DC48V(38V-62V)
AC Output Voltage (Single Choice)	100V/110V/120V/220V/230V/240V		
Unload Current	≤0.6A	≤0.4A	≤0.25A
Output Frequency	(50Hz±2Hz) or (60Hz±2Hz)		
Output Waveform	Modified sine wave		
Display	LED or LCD display		
USB Output Voltage / Current	5V@3.4A,9V@2A,12V@1.5A (Support QC3.0 fast charge up to 18W)		
Max. Output Efficiency	88%	90%	92%
Low Voltage Protection	"Alarm ""Bi"" with 2s interval +red and green lights flashing alternately restart automatically when voltage recover"		
Over Voltage Protection	" Alarm ""BiBi"" with 1s interval +red and green lights flashing alternately restart automatically when voltage recover"		
Over Load Protection	"Alarm ""Bi"" continously +red light flashing / restart automatically when load power recover; If it is closed after twice recover, it need restart manually."		
Over Temp Protection	" Alarm ""BiBiBi"" with 1s interval +red and green lights flashing alternately restart when temp recover"		
Short Circuit Protection	Yes		
DC Reverse Connection Protection	Fuse burnt		
Low Voltage Alarm Range	10.5v±0.5v	21v±0.5v	42v±0.5v
Low Voltage Protection Range	9.5v±0.5v	19v±0.5v	38v±0.5v
Low Voltage Recover Range	12v±0.5v	23v±0.5v	46v±0.5v
Over Voltage Protection Range	15.5v±0.5v	31v±0.5v	62v±0.5v
Over Voltage Recover Range	14v±0.5v	28v±0.5v	56v±0.5v
Working Temperature	-10°C~50°C		
Cooling Method	Fan cooling (Temperature control)		
Unit Size	350mm*180mm*76mm		
N.W/G.W	3.85kg/4.5kg		

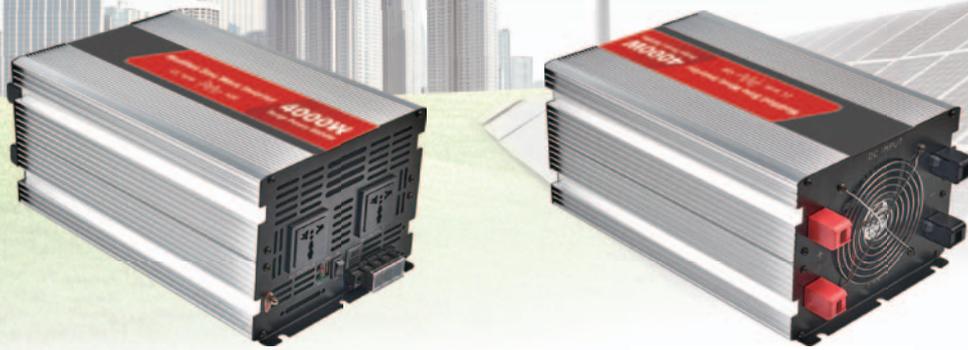
# 3000W Modified sine wave power inverter



## Technical parameters

Model	M-3000W-12V	M-3000W-24V	M-3000W-48V
Rated Power	3000W		
Peak Power	6000W		
DC Input Voltage Range	DC12V(9.5V-15.5V)	DC24V(19V-31V)	DC48V(38V-62V)
AC Output Voltage (Single Choice)	100V/110V/120V/220V/230V/240V		
Unload Current	≤0.9A	≤0.5A	≤0.35A
Output Frequency	(50Hz±2Hz) or (60Hz±2Hz)		
Output Waveform	Modified sine wave		
Display	LED or LCD display		
USB Output Voltage / Current	5V@3.4A,9V@2A,12V@1.5A (Support QC3.0 fast charge up to 18W)		
Max. Output Efficiency	88%	90%	92%
Low Voltage Protection	"Alarm ""Bi"" with 2s interval +red and green lights flashing alternately restart automatically when voltage recover"		
Over Voltage Protection	" Alarm ""BiBi"" with 1s interval +red and green lights flashing alternately restart automatically when voltage recover"		
Over Load Protection	"Alarm ""Bi"" continously +red light flashing / restart automatically when load power recover; If it is closed after twice recover, it need restart manually."		
Over Temp Protection	" Alarm ""BiBiBi"" with 1s interval +red and green lights flashing alternately restart when temp recover"		
Short Circuit Protection	Yes		
DC Reverse Connection Protection	Fuse burnt		
Low Voltage Alarm Range	10.5v±0.5v	21v±0.5v	42v±0.5v
Low Voltage Protection Range	9.5v±0.5v	19v±0.5v	38v±0.5v
Low Voltage Recover Range	12v±0.5v	23v±0.5v	46v±0.5v
Over Voltage Protection Range	15.5v±0.5v	31v±0.5v	62v±0.5v
Over Voltage Recover Range	14v±0.5v	28v±0.5v	56v±0.5v
Working Temperature	-10°C~50°C		
Cooling Method	Fan cooling (Temperature control)		
Unit Size	405mm*210mm*92mm		
N.W/G.W	5.35kg/6.35kg		

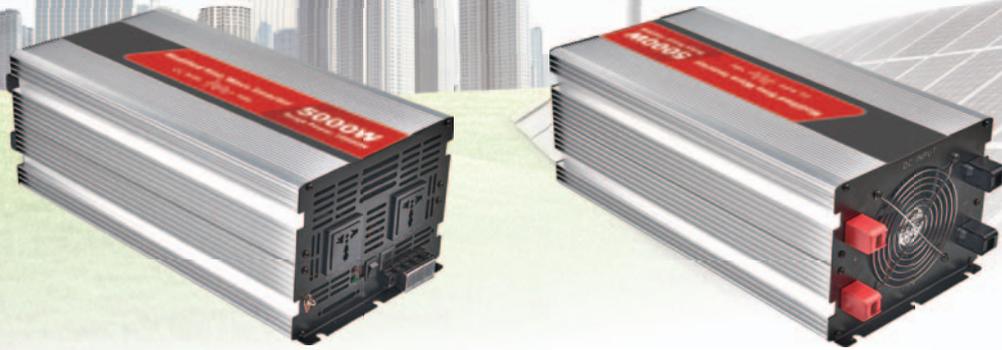
# 4000W Modified sine wave power inverter



## Technical parameters

Model	M-4000W-12V	M-4000W-24V	M-4000W-48V
Rated Power	4000W		
Peak Power	8000W		
DC Input Voltage Range	DC12V(9.5V-15.5V)	DC24V(19V-31V)	DC48V(38V-62V)
AC Output Voltage (Single Choice)	100V/110V/120V/220V/230V/240V		
Unload Current	≤0.9A	≤0.5A	≤0.35A
Output Frequency	(50Hz±2Hz) or (60Hz±2Hz)		
Output Waveform	Modified sine wave		
Display	LED or LCD display		
USB Output Voltage / Current	5V@3.4A,9V@2A,12V@1.5A (Support QC3.0 fast charge up to 18W)		
Max. Output Efficiency	88%	90%	92%
Low Voltage Protection	"Alarm ""Bi"" with 2s interval +red and green lights flashing alternately restart automatically when voltage recover"		
Over Voltage Protection	" Alarm ""BiBi"" with 1s interval +red and green lights flashing alternately restart automatically when voltage recover"		
Over Load Protection	"Alarm ""Bi"" continuously +red light flashing / restart automatically when load power recover; If it is closed after twice recover, it need restart manually."		
Over Temp Protection	" Alarm ""BiBiBi"" with 1s interval +red and green lights flashing alternately restart when temp recover"		
Short Circuit Protection	Yes		
DC Reverse Connection Protection	Fuse burnt		
Low Voltage Alarm Range	10.5v±0.5v	21v±0.5v	42v±0.5v
Low Voltage Protection Range	9.5v±0.5v	19v±0.5v	38v±0.5v
Low Voltage Recover Range	12v±0.5v	23v±0.5v	46v±0.5v
Over Voltage Protection Range	15.5v±0.5v	31v±0.5v	62v±0.5v
Over Voltage Recover Range	14v±0.5v	28v±0.5v	56v±0.5v
Working Temperature	-10°C~50°C		
Cooling Method	Fan cooling (Temperature control)		
Unit Size			
N.W/G.W			

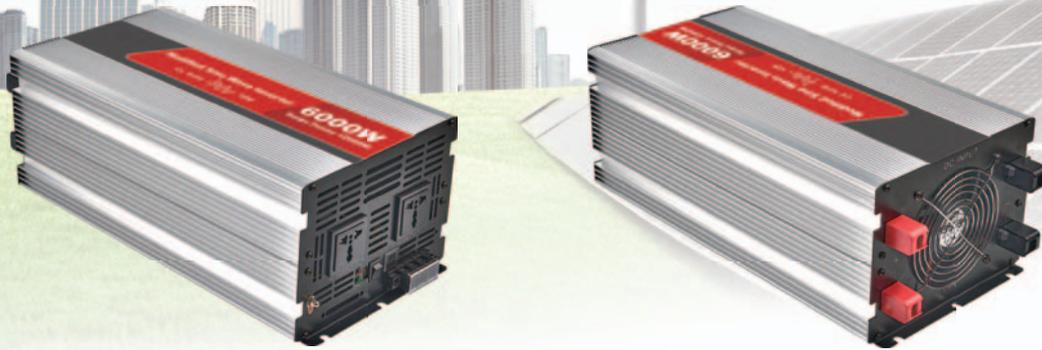
# 5000W Modified sine wave power inverter



## Technical parameters

Model	M-5000W-12V	M-5000W-24V	M-5000W-48V
Rated Power	5000W		
Peak Power	10000W		
DC Input Voltage Range	DC12V(9.5V-15.5V)	DC24V(19V-31V)	DC48V(38V-62V)
AC Output Voltage (Single Choice)	100V/110V/120V/220V/230V/240V		
Unload Current	≤0.9A	≤0.5A	≤0.35A
Output Frequency	(50Hz±2Hz) or (60Hz±2Hz)		
Output Waveform	Modified sine wave		
Display	LED or LCD display		
USB Output Voltage / Current	5V@3.4A,9V@2A,12V@1.5A (Support QC3.0 fast charge up to 18W)		
Max. Output Efficiency	88%	90%	92%
Low Voltage Protection	"Alarm ""Bi"" with 2s interval +red and green lights flashing alternately restart automatically when voltage recover"		
Over Voltage Protection	" Alarm ""BiBi"" with 1s interval +red and green lights flashing alternately restart automatically when voltage recover"		
Over Load Protection	"Alarm ""Bi"" continously +red light flashing / restart automatically when load power recover; If it is closed after twice recover, it need restart manually."		
Over Temp Protection	" Alarm ""BiBiBi"" with 1s interval +red and green lights flashing alternately restart when temp recover"		
Short Circuit Protection	Yes		
DC Reverse Connection Protection	Fuse burnt		
Low Voltage Alarm Range	10.5v±0.5v	21v±0.5v	42v±0.5v
Low Voltage Protection Range	9.5v±0.5v	19v±0.5v	38v±0.5v
Low Voltage Recover Range	12v±0.5v	23v±0.5v	46v±0.5v
Over Voltage Protection Range	15.5v±0.5v	31v±0.5v	62v±0.5v
Over Voltage Recover Range	14v±0.5v	28v±0.5v	56v±0.5v
Working Temperature	-10°C~50°C		
Cooling Method	Fan cooling (Temperature control)		
Unit Size			
N.W/G.W			

# 6000W Modified sine wave power inverter



## Technical parameters

Model	M-6000W-12V	M-6000W-24V	M-6000W-48V
Rated Power	6000W		
Peak Power	12000W		
DC Input Voltage Range	DC12V(9.5V-15.5V)	DC24V(19V-31V)	DC48V(38V-62V)
AC Output Voltage (Single Choice)	100V/110V/120V/220V/230V/240V		
Unload Current	≤0.9A	≤0.5A	≤0.35A
Output Frequency	(50Hz±2Hz) or (60Hz±2Hz)		
Output Waveform	Modified sine wave		
Display	LED or LCD display		
USB Output Voltage / Current	5V@3.4A,9V@2A,12V@1.5A (Support QC3.0 fast charge up to 18W)		
Max. Output Efficiency	88%	90%	92%
Low Voltage Protection	"Alarm ""Bi"" with 2s interval +red and green lights flashing alternately restart automatically when voltage recover"		
Over Voltage Protection	" Alarm ""BiBi"" with 1s interval +red and green lights flashing alternately restart automatically when voltage recover"		
Over Load Protection	"Alarm ""Bi"" continously +red light flashing / restart automatically when load power recover; If it is closed after twice recover, it need restart manually."		
Over Temp Protection	" Alarm ""BiBiBi"" with 1s interval +red and green lights flashing alternately restart when temp recover"		
Short Circuit Protection	Yes		
DC Reverse Connection Protection	Fuse burnt		
Low Voltage Alarm Range	10.5v±0.5v	21v±0.5v	42v±0.5v
Low Voltage Protection Range	9.5v±0.5v	19v±0.5v	38v±0.5v
Low Voltage Recover Range	12v±0.5v	23v±0.5v	46v±0.5v
Over Voltage Protection Range	15.5v±0.5v	31v±0.5v	62v±0.5v
Over Voltage Recover Range	14v±0.5v	28v±0.5v	56v±0.5v
Working Temperature	-10°C~50°C		
Cooling Method	Fan cooling (Temperature control)		
Unit Size	490mm*210mm*151mm		
N.W/G.W	9.7kg		