



● Product Overview

Pure sine wave inverter is with good wave form, low power distortion and its output wave form is almost the same as the city grid. In fact, the quality of AC power from a good pure sine wave inverter is better than from city grid. Pure sine wave inverter has little interference for precision equipment, low noise and strong load adaptive capacity features. These features make it can meet all AC load application requirements, includes TV, computer, lights, refrigerator, air condition and generator and so on.

● Product Features

- ⊙ Pure sine wave inverter for inductive loads
- ⊙ Input & output fully isolated
- ⊙ High starting surge current withstand capability
- ⊙ Smooth soft start-up of the appliance
- ⊙ Cooling fan works automatically when inverter become too hot

● Product Specification

Smart Series Pure Sine Wave Inverter 300W

Model	MWZ300W-121	MWZ300W-122	MWZ300W-241	MWZ300W-242	MWZ300W-481	MWZ300W-482
Rated Power	300W					
Surge Power	600W					
Input Voltage	12VDC		24VDC		48VDC	
Output Voltage	110VAC ± 5%	220VAC ± 5%	110VAC ± 5%	220VAC ± 5%	110VAC ± 5%	220VAC ± 5%
USB Port	5V 1A					
Frequency	50Hz ± 3 or 60 Hz ± 3					
Output Waveform	Pure Sine Wave					
Soft Start	YES					
THD/AC Regulation	THD < 3% (Linear Load)					
Output Efficiency	94%MAX					
No Load Current	0.6A		0.3A		0.1A	
DC Voltage Range	10–15.5V		20–31V		40 – 61V	
Low Voltage Alarm	10.5 ± 0.5V		21 ± 0.5V		42 ± 1V	
Low Voltage Shut Down	10 ± 0.5V		20 ± 0.5V		40 ± 1V	
Low Voltage Recovery	13 ± 0.5V		24 ± 0.5V		48 ± 1V	
Over Voltage Shut Down	15.5 ± 0.5V		29 ± 0.5V		61 ± 1V	
Over Voltage Recovery	14.8 ± 0.5V		29 ± 0.5V		59 ± 1V	

Model	MWZ300W-121	MWZ300W-122	MWZ300W-241	MWZ300W-242	MWZ300W-481	MWZ300W-482
Cooling Way	Intelligent Cooling Fan					
Protection	Battery Low Voltage & Over Voltage,,Over Load, Over Temperature,Short Circuit					
Working Temperature	-10℃-- +50℃					
Net Dimension	19.5*11.2*6 (L*W*H)					
Inner Box Dimension	25.6*15*9.8(L*W*H)					
Meas./Ctn	51*49*30.7/18pcs					
N.W./Unit	1.0kg /1.2kg With Inner Box)					
G.W./Ctn	23KGS					
Packing	Colour box					
Warranty	2 Years					

● Smart Series Pure Sine Wave Inverter 500W

Model	MWZ500W-121	MWZ500W-122	MWZ500W-241	MWZ500W-242	MWZ500W-481	MWZ500W-482
Rated Power	500W					
Surge Power	1000W					
Input Voltage	12VDC		24VDC		48VDC	
Output Voltage	110VAC ± 5%	220VAC ± 5%	110VAC ± 5%	220VAC ± 5%	110VAC ± 5%	220VAC ± 5%
USB Port	5V 1A					
Frequency	50Hz ± 3 or 60 Hz ± 3					
Output Waveform	Pure Sine Wave					
Soft Start	YES					
THD/AC Regulation	THD < 3% (Linear Load)					
Output Efficiency	94%MAX					
No Load Current	0.6A		0.3A		0.1A	
DC Voltage Range	10–15.5V		20–31V		40 – 61V	
Low Voltage Alarm	10.5 ± 0.5V		21 ± 0.5V		42 ± 1V	
Low Voltage Shut Down	10 ± 0.5V		20 ± 0.5V		40 ± 1V	
Low Voltage Recovery	13 ± 0.5V		24 ± 0.5V		48 ± 1V	
Over Voltage Shut Down	15.5 ± 0.5V		31 ± 0.5V		61 ± 1V	
Over Voltage Recovery	14.8 ± 0.5V		29 ± 0.5V		59 ± 1V	

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Model	MWZ500W-121	MWZ500W-122	MWZ500W-241	MWZ500W-242	MWZ500W-481	MWZ500W-482
Cooling Way	Intelligent Cooling Fan					
Protection	Battery Low Voltage & Over Voltage,,Over Load, Over Temperature,Short Circuit					
Working Temperature	-10℃-- +50℃					
Net Dimension	23.2*15*7.8 (L*W*H)					
Inner Box Dimension	28.6*20. 3*13(L*W*H)					
Meas./Ctn	63*34*38.5/10pcs					
N.W./Unit	2.0kg /2.3kg With Inner Box)					
G.W./Ctn	24KGS					
Packing	Colour box					
Warranty	2 Years					

● Smart Series Pure Sine Wave Inverter 1000W

Model	MWZ1000W-121	MWZ1000W-122	MWZ1000W-241	MWZ1000W-242	MWZ1000W-481	MWZ1000W-482
Rated Power	1000W					
Surge Power	2000W					
Input Voltage	12VDC		24VDC		48VDC	
Output Voltage	110VAC ± 5%	220VAC ± 5%	110VAC ± 5%	220VAC ± 5%	110VAC ± 5%	220VAC ± 5%
USB Port	5V 1A					
Frequency	50Hz ± 3 or 60 Hz ± 3					
Output Waveform	Pure Sine Wave					
Soft Start	YES					
THD/AC Regulation	THD < 3% (Linear Load)					
Output Efficiency	94%MAX					
No Load Current	1.4A		0.8A		0.3A	
DC Voltage Range	10–15.5V		20–31V		40 – 61V	
Low Voltage Alarm	10.5 ± 0.5V		21 ± 0.5V		42 ± 1V	
Low Voltage Shut Down	10 ± 0.5V		20 ± 0.5V		40 ± 1V	
Low Voltage Recovery	13 ± 0.5V		24 ± 0.5V		48 ± 1V	
Over Voltage Shut Down	15.5 ± 0.5V		31 ± 0.5V		61 ± 1V	
Over Voltage Recovery	14.8 ± 0.5V		29 ± 0.5V		59 ± 1V	

Model	MWZ1000W-121	MWZ1000W-122	MWZ1000W-241	MWZ1000W-242	MWZ1000W-481	MWZ1000W-482
Cooling Way	Intelligent Cooling Fan					
Protection	Battery Low Voltage & Over Voltage,,Over Load, Over Temperature,Short Circuit					
Working Temperature	-10℃--+50℃					
Net Dimension	32.6*16.5*8.7cm (L*W*H)					
Inner Box Dimension	35.1*20.5*12.2cm(L*W*H)					
Meas./Ctn	67.5*37.3*29.7cm/18pcs					
N.W./Unit	3.1kg(3.5kg With Inner Box)					
G.W./Ctn	22KGS					
Packing	Colour box					
Warranty	2 Years					

● Smart Series Pure Sine Wave Inverter 1500W

Model	MWZ1500W-121	MWZ1500W-122	MWZ1500W-241	MWZ1500W-242	MWZ1500W-481	MWZ1500W-482
Rated Power	1500W					
Surge Power	3000W					
Input Voltage	12VDC		24VDC		48VDC	
Output Voltage	110VAC ± 5%	220VAC ± 5%	110VAC ± 5%	220VAC ± 5%	110VAC ± 5%	220VAC ± 5%
USB Port	5V 1A					
Frequency	50Hz ± 3 or 60 Hz ± 3					
Output Waveform	Pure Sine Wave					
Soft Start	YES					
THD/AC Regulation	THD < 3% (Linear Load)					
Output Efficiency	94%MAX					
No Load Current	1.2A		0.6A		0.3A	
DC Voltage Range	10-15.5V		20-31V		40-61V	
Low Voltage Alarm	10.5 ± 0.5V		21 ± 0.5V		42 ± 1V	
Low Voltage Shut Down	10 ± 0.5V		20 ± 0.5V		40 ± 1V	
Low Voltage Recovery	13 ± 0.5V		24 ± 0.5V		48 ± 1V	
Over Voltage Shut Down	15.5 ± 0.5V		31 ± 0.5V		61 ± 1V	
Over Voltage Recovery	14.8 ± 0.5V		29 ± 0.5V		59 ± 1V	

Pure Sine Wave Inverter

Model	MWZ1500W-121	MWZ1500W-122	MWZ1500W-241	MWZ1500W-242	MWZ1500W-481	MWZ1500W-482
Cooling Way	Intelligent Cooling Fan					
Protection	Battery Low Voltage & Over Voltage,,Over Load, Over Temperature,Short Circuit					
Working Temperature	-10℃-- +50℃					
Net Dimension	32.6*16.5*8.7cm (L*W*H)					
Inner Box Dimension	45.6*20.6*12.2cm(L*W*H)					
Meas./Ctn	52*47.5*38cm/4pcs					
N.W./Unit	4.3kg /4.8kg With Inner Box)					
G.W./Ctn	24KGS					
Packing	Colour box					
Warranty	2 Years					

● Smart Series Pure Sine Wave Inverter 2500W

Model	MWZ2500W-121	MWZ2500W-122	MWZ2500W-241	MWZ2500W-242	MWZ2500W-481	MWZ2500W-482
Rated Power	2500W					
Surge Power	5000W					
Input Voltage	12VDC		24VDC		48VDC	
Output Voltage	110VAC ± 5%	220VAC ± 5%	110VAC ± 5%	220VAC ± 5%	110VAC ± 5%	220VAC ± 5%
USB Port	5V 1A					
Frequency	50Hz ± 3 or 60 Hz ± 3					
Output Waveform	Pure Sine Wave					
Soft Start	YES					
THD/AC Regulation	THD < 3% (Linear Load)					
Output Efficiency	94%MAX					
No Load Current	1.6A		0.8A		0.4A	
DC Voltage Range	10–15.5V		20–31V		40 – 61V	
Low Voltage Alarm	10.5 ± 0.5V		21 ± 0.5V		42 ± 1V	
Low Voltage Shut Down	10 ± 0.5V		20 ± 0.5V		40 ± 1V	
Low Voltage Recovery	13 ± 0.5V		24 ± 0.5V		48 ± 1V	
Over Voltage Shut Down	15.5 ± 0.5V		31 ± 0.5V		61 ± 1V	
Over Voltage Recovery	14.8 ± 0.5V		29 ± 0.5V		59 ± 1V	

Model	MWZ2500W-121	MWZ2500W-122	MWZ2500W-241	MWZ2500W-242	MWZ2500W-481	MWZ2500W-482
Cooling Way	Intelligent Cooling Fan					
Protection	Battery Low Voltage & Over Voltage,, Over Load, Over Temperature, Short Circuit					
Working Temperature	-10℃---+50℃					
Net Dimension	43*16.5*8.7cm (L*W*H)					
Inner Box Dimension	45.6*20.6*12.2cm(L*W*H)					
Meas./Ctn	52*47*38cm/4pcs					
N.W./Unit	5.2kg(5.7kg With Inner Box)					
G.W./Ctn	24KGS					
Packing	Colour box					
Warranty	2 Years					

● Smart Series Pure Sine Wave Inverter 3000W

Model	MWZ3000W-121	MWZ3000W-122	MWZ3000W-241	MWZ3000W-242	MWZ3000W-481	MWZ3000W-482
Rated Power	3000W					
Surge Power	6000W					
Input Voltage	12VDC		24VDC		48VDC	
Output Voltage	110VAC ± 5%	220VAC ± 5%	110VAC ± 5%	220VAC ± 5%	110VAC ± 5%	220VAC ± 5%
USB Port	5V 1A					
Frequency	50Hz ± 3 or 60 Hz ± 3					
Output Waveform	Pure Sine Wave					
Soft Start	YES					
THD/AC Regulation	THD < 3% (Linear Load)					
Output Efficiency	94%MAX					
No Load Current	2A		0.9A		0.5A	
DC Voltage Range	10-15.5V		20-31V		40-61V	
Low Voltage Alarm	10.5 ± 0.5V		21 ± 0.5V		42 ± 1V	
Low Voltage Shut Down	10 ± 0.5V		20 ± 0.5V		40 ± 1V	
Low Voltage Recovery	13 ± 0.5V		24 ± 0.5V		48 ± 1V	
Over Voltage Shut Down	15.5 ± 0.5V		31 ± 0.5V		61 ± 1V	
Over Voltage Recovery	14.8 ± 0.5V		29 ± 0.5V		59 ± 1V	

Pure Sine Wave Inverter

Model	MWZ3000W-121	MWZ3000W-122	MWZ3000W-241	MWZ3000W-242	MWZ3000W-481	MWZ3000W-482
Cooling Way	Intelligent Cooling Fan					
Protection	Battery Low Voltage & Over Voltage,,Over Load, Over Temperature,Short Circuit					
Working Temperature	-10℃--+50℃					
Net Dimension	41*21.6*15.6cm (L*W*H)					
Inner Box Dimension	52.5*31.5*25cm(L*W*H)					
Meas./Ctn	52*47.5*38cm/4pcs					
N.W./Unit	9kg					
G.W./Ctn	11KGS					
Packing	Honeycomb carton					
Warranty	2 Years					

● Smart Series Pure Sine Wave Inverter 4000W

Model	MWZ4000W-121	MWZ4000W-122	MWZ4000W-241	MWZ4000W-242	MWZ4000W-481	MWZ4000W-482
Rated Power	4000W					
Surge Power	8000W					
Input Voltage	12VDC		24VDC		48VDC	
Output Voltage	110VAC ± 5%	220VAC ± 5%	110VAC ± 5%	220VAC ± 5%	110VAC ± 5%	220VAC ± 5%
USB Port	5V 1A					
Frequency	50Hz ± 3 or 60 Hz ± 3					
Output Waveform	Pure Sine Wave					
Soft Start	YES					
THD/AC Regulation	THD < 3% (Linear Load)					
Output Efficiency	94%MAX					
No Load Current	2.6A		1.3A		0.6A	
DC Voltage Range	10-15.5V		20-31V		40 - 61V	
Low Voltage Alarm	10.5 ± 0.5V		21 ± 0.5V		42 ± 1V	
Low Voltage Shut Down	10 ± 0.5V		20 ± 0.5V		40 ± 1V	
Low Voltage Recovery	13 ± 0.5V		24 ± 0.5V		48 ± 1V	
Over Voltage Shut Down	15.5 ± 0.5V		31 ± 0.5V		61 ± 1V	
Over Voltage Recovery	14.8 ± 0.5V		29 ± 0.5V		59 ± 1V	

Model	MWZ4000W-121	MWZ4000W-122	MWZ4000W-241	MWZ4000W-242	MWZ4000W-481	MWZ4000W-482
Cooling Way	Intelligent Cooling Fan					
Protection	Battery Low Voltage & Over Voltage,, Over Load, Over Temperature, Short Circuit					
Working Temperature	-10℃---+50℃					
Net Dimension	46.5*21.6*15.6cm (L*W*H)					
Meas./Ctn	57.5*31.5*25cm/1pcs					
N.W./Unit	10kg					
G.W./Ctn	12KGS					
Packing	Honeycomb carton					
Warranty	2 Years					

● Smart Series Pure Sine Wave Inverter 5000W

Model	MWZ5000W-121	MWZ5000W-122	MWZ5000W-241	MWZ5000W-242	MWZ5000W-481	MWZ5000W-482
Rated Power	5000W					
Surge Power	10000W					
Input Voltage	12VDC		24VDC		48VDC	
Output Voltage	110VAC ± 5%	220VAC ± 5%	110VAC ± 5%	220VAC ± 5%	110VAC ± 5%	220VAC ± 5%
USB Port	5V 1A					
Frequency	50Hz ± 3 or 60 Hz ± 3					
Output Waveform	Pure Sine Wave					
Soft Start	YES					
THD/AC Regulation	THD < 3% (Linear Load)					

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Model	MWZ5000W-121	MWZ5000W-122	MWZ5000W-241	MWZ5000W-242	MWZ5000W-481	MWZ5000W-482
Output Efficiency	3. 2A		1. 6A		0. 8A	
No Load Current	10–15.5V		20–31V		40 – 61V	
DC Voltage Range	10.5 ± 0.5V		21 ± 0.5V		42 ± 1V	
Low Voltage Alarm	10 ± 0.5V		20 ± 0.5V		40 ± 1V	
Low Voltage Shut Down	13 ± 0.5V		24 ± 0.5V		48 ± 1V	
Low Voltage Recovery	15.5 ± 0.5V		31 ± 0.5V		61 ± 1V	
Over Voltage Shut Down	14.8 ± 0.5V		29 ± 0.5V		59 ± 1V	
Over Voltage Recovery	94%MAX					
Cooling Way	ntelligent Cooling Fan					
Protection	Battery Low Voltage & Over Voltage,,Over Load, Over Temperature,Short Circuit					
Working Temperature	–10℃--+50℃					
Net Dimension	46.5*21.6*15.6cm (L*W*H)					
Meas./Ctn	57.5*31.5*25cm/1pcs					
N.W./Unit	10.5kg					
G.W./Ctn	12.5KGS					
Packing	Honeycomb carton					
Warranty	2 Years					