



EP1800 SERIES (1KW-5KW)

High Frequency Pure Sine Wave Inverter

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EP1800 SERIES (1KW-5KW)

High Frequency Pure Sine Wave Inverter



(4KW-5KW)



(1KW-3KW)

INTRODUCTION

This is a multi-function inverter, combining function of battery charger to offer uninterruptible power support with portable size. Its comprehensive LCD display offers user-configurable and easy-accessible button operation such as battery charging current, acceptable input voltage based on different applications.

FEATURES

- Pure sine wave output
- Smart LCD setting (Working modes, Charge Current, Charge Voltage, etc.)
- Combining solar system, AC utility, and battery power source to supply continuous power
- Multiple operations: basic Grid-tie, (for 4KVA/5KVA model) Off-Grid, Grid-Interactive
- Parallel operation with up to 3 units (Available for 4KVA/5KVA only)
- Overload, Short circuit and Deep discharge protection Cold start function
- Support USB, RS485 monitoring function with free CD
- WIFI remote monitoring (optional)
- Compatible to generator



Rated power
1-5KW



Battery DC voltage
24V, 48V



Wide AC input range
170-280Vac / 90-280Vac



Wide frequency
50HZ/60HZ



3 times surge power



Battery smart
charge design



Multi protection



WIFI FUNCTIONS

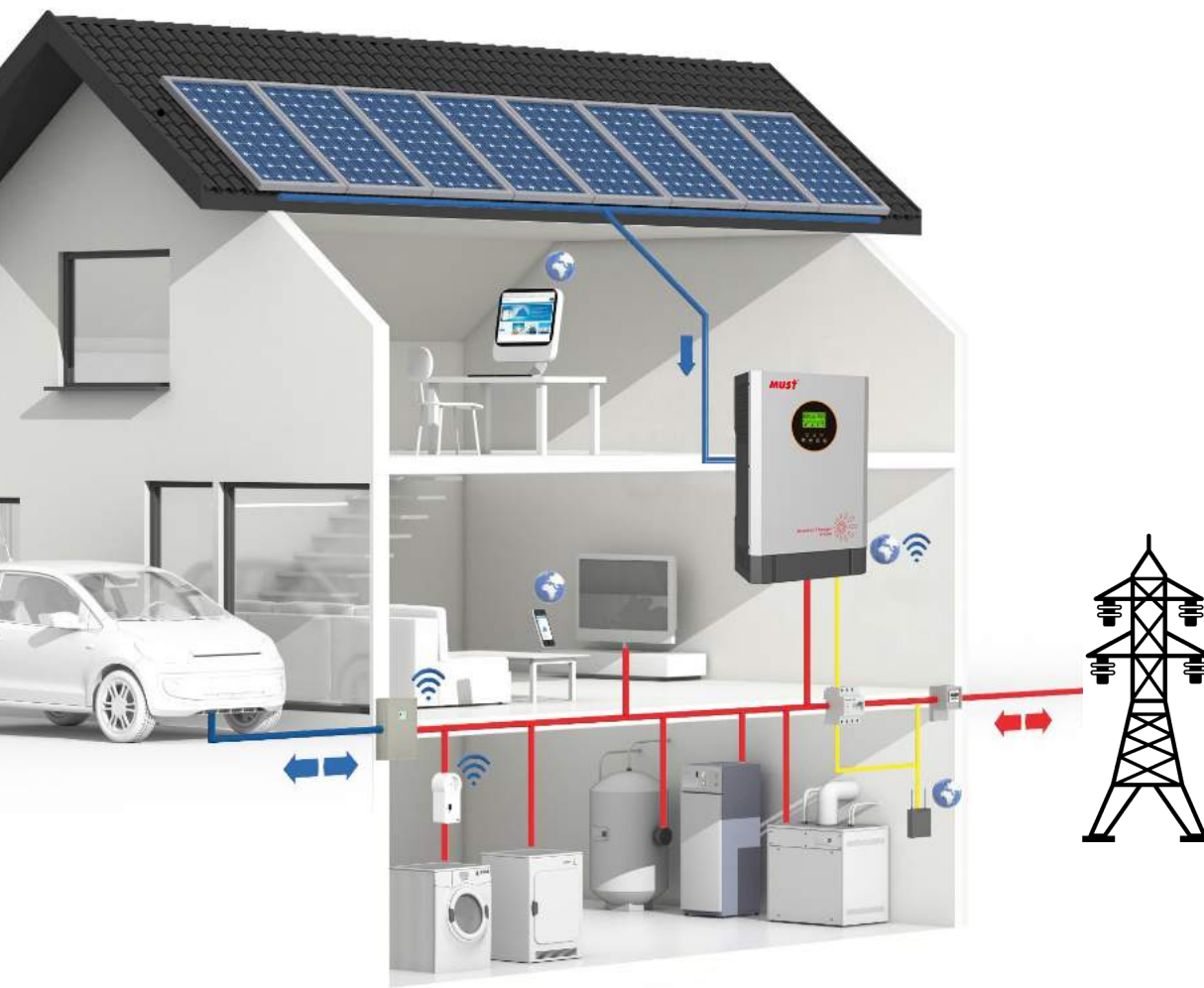
You can download this app on your cell phone and monitor the whole system, you will know how much electricity the system generate and sell to utility.

INVERTER SYSTEM CONNECTION

EP1800 inverter can work with batteries as back-up power system for all kinds of load. It also can be connected with extra solar charge controllers and solar panels as a complete solar system, which take full use of sunshine and save electricity bill for you. This kind of solar power inverter systems are widely used for home, office, factory, farm and shops etc.

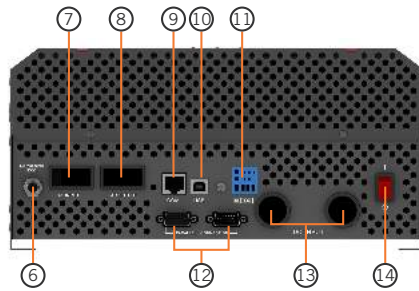
Solar Inverter System Connection:

Power Inverter + Battery + Solar Panels + Grid + Application Loads

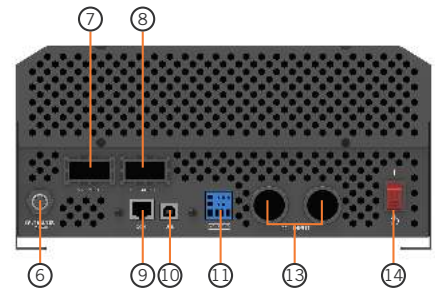


EP1800 SERIES (1KW-5KW)

High Frequency Pure Sine Wave Inverter



4KW-5KW



1KW-3KW

- | | | |
|-----------------------|-----------------------------|---|
| 1. LCD display | 6. Circuit breaker | 11. Dry contact |
| 2. Status indicator | 7. AC input | 12. Parallel communication port (only for parallel model) |
| 3. Charging indicator | 8. AC output | 13. Battery input |
| 4. Fault indicator | 9. RS485 communication port | 14. Power on/off switch |
| 5. Function button | 10. USB | |

MODEL		EP18-1012	EP18-2024	EP18-3024	EP18-4048	EP18-5048
Nominal Battery System Voltage		12V	24V		48V	
INVERTER OUTPUT	Rated Power	1000W	2000W	3000W	4000W	5000W
	Surge Power	2000W	4000W	6000W	8000W	10000W
	Waveform	Pure sine wave				
	AC Voltage Regulation (Batt.Mode)	220VAC~240VAC (Setting)				
	Inverter Efficiency (Peak)	90%	93%			
	Transfer Time	10ms(For Personal Computers) 20ms(For Home Appliances)				
AC INPUT	Voltage	230VAC				
	Selectable Voltage Range	170~280VAC(For Personal Computers), 90~280VAC(For Home Appliances), 184~253VAX(VDE)				
	Frequency Range	50Hz/60Hz (Auto sensing)				
BATTERY	Nominal voltage	12VDC	24VDC		48VDC	
	Floating Charge Voltage	13.7VDC	27.4VDC		54.8VDC	
	Overcharge Protection	15VDC	30VDC		60VDC	
OTHER	Maximum AC Charge Current	10A or 20A	20A or 30A		60A	
	Machine Dimensions (W*H*D)(mm)	240*316*95	272*355*100		297.5*468*125	
	Package Dimensions (W*H*D)(mm)	410*300*178	465*373*231		576*395*241	
	Net Weight(kg)	5	6	6.8	11.5	12
	Gross Weight(kg)	6	7	8.8	13	13.7
	Humidity	5% to 95% Relative Humidity (Non-condensing)				
	Operating Temperature	-10°C -55°C				
	Storage Temperature	-15°C -60°C				