


# Low Frequency Power Inverter/Charger EP2000 Pro Series (300W-1000W)





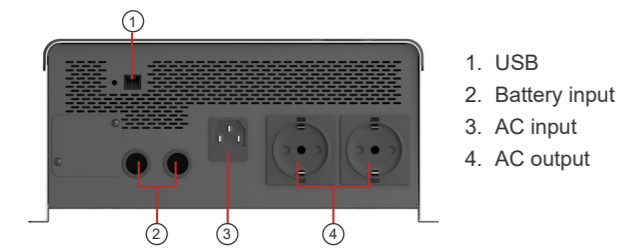
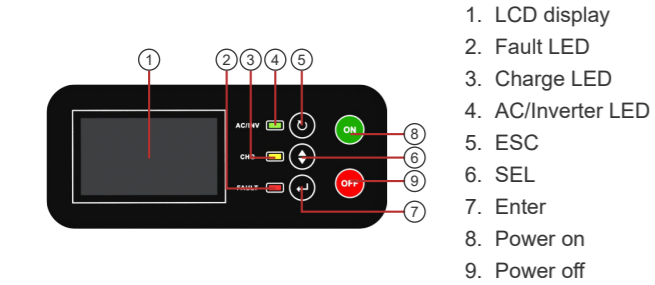
### Features

- Rated power 300W to 1000W
- Pure sine wave output
- Smart LCD setting ( frequency , charge voltage,charge current, etc).
- 3 steps charging algorithm
- Built in AVR function
- Overload and short-circuit protection
- Battery reverse polarity protection (Optional)
- Deep discharge protection
- Cold start function

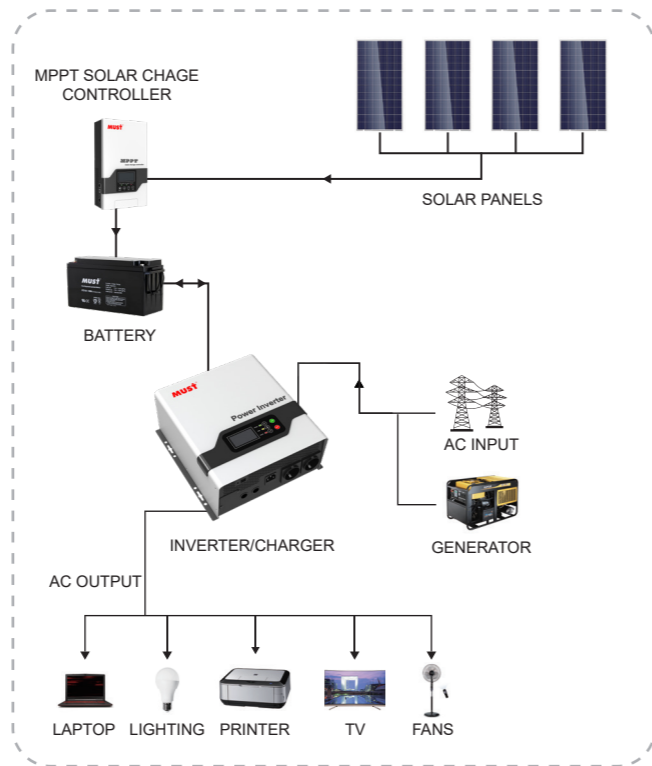
### Introduction

EP2000 PRO series inverter is a cost effective, intelligent with UPS function. The comprehensive LCD offers user-configurable and easy-accessible button adjustment such as battery charge current, battery charge voltage, frequency, buzzer etc. It's perfect for the user who need a simple and economical inverter,with user-friendly installation and setting.Tower and rack design available for different choices.

### Back panel printing description



### Solar system connection



### Specification

MODEL	EP20-0312 PRO	EP20-0412 PRO	EP20-0512 PRO	EP20-0612 PRO	EP20-0812 PRO	EP20-1012 PRO	EP20-0624 PRO	EP20-0824 PRO	EP20-1024 PRO	
Default Battery System Voltage		12VDC						24VDC		
INVERTER OUTPUT	Rated Power	300W	400W	500W	600W	800W	1000W	600W	800W	1000W
	Surge Rating	900VA	1200VA	1500VA	1800VA	2400VA	3000VA	1800VA	2400VA	3000VA
	Waveform	Pure sine wave								
	Voltage Regulation	Battery mode: 220 or 230VAC Line mode: 220~240VAC								
	Output Frequency	50Hz / 60Hz								
	Invert Frequency (Peak)	>75%						>81%		
	Bypass Efficiency	>95%								
	Output Transfer Time	Typical:6ms 10ms(max)								
AC INPUT	Voltage	220 / 230 / 240VAC								
	Selectable Voltage Range	140~280VAC ±5%								
	Low Battery Alarm	140VAC ±5%								
	Low Voltage Recover	150VAC ±5%								
	High Battery Alarm	280VAC ±5%								
	High Voltage Recover	270VAC ±5%								
	Low Frequency Alarm	45 ±5Hz								
	Low Frequency Recover	46 ±5Hz								
	High Frequency Alarm	65 ±5Hz								
	High Frequency Recover	64 ±5Hz								
	Nominal Input Range	50Hz / 60Hz ±5Hz								
	AC Auto Restart	YES								
	BATTERY	Minimum Start Voltage	Low Battery Voltage Cutoff+0.5V						Low Battery Voltage Cutoff+0.5V	
Low Battery Alarm		Low Battery Voltage Cutoff+0.5V						Low Battery Voltage Cutoff+1.0V		
Min battery voltage for power on		Shutdown voltage +0.5V						Shutdown voltage +1V		
Low Battery Cutoff		10-12.0VDC						20.0-24.0VDC		
High Battery Alarm		(13.8-14.5V)+1V for 12VDC mode (*2 for 24VDC)								
AC CHARGE	Floating Voltage	13.5-14.5VDC						27-29VDC		
	Boost Voltage	13.8~14.5V						27.6~29V		
	Maximum Charge Current	300W	400W	500W	600W	800W	1000W	600W	800W	1000W
	10A	10A	15A	20A	25A	30A	10A	15A	15A	
BYPASS & PROTECTION	Input Waveform	Pure sine wave								
	Input Frequency	50Hz or 60Hz								
	Overload Protection	>110%~125% Load fault after 60s; >125%~150% Load fault after 3s; >150% Load fault after 500ms								
	Over Temperature Protection	≥90°C								
	Bypass Output Protection	10A 250VAC								
	Output Circuit Protection	YES								
	Battery Reverse Protection	Optional								
	Battery Low Voltage Protection	YES								
	Battery High Voltage Protection	YES								
	Bypass Breaker Rating	10A								
Maximum Bypass Current	10A									
MECHANICAL SPECIFICATION	Machine Dimension (W*H*D)	300.5*319*132.2								
	Package Dimension (W*H*D)	/								
	G.W (kg)	/								
	N.W (kg)	/								
OTHER	Operating Temperature	0°C ~40°C 0~90% relative humidity (non-condensing)								
	Storage Temperature	-15°C to 55°C								
	Altitude	≤1000M								
	Audible Noise	≤60dB								
	Display	LED+LCD								
	Cooling Mode	Fan cooling								
	Fan Starting	>45°C starting, <30°C Closing								
Communication	USB									

The technical specifications of this document are subject to change without any notice