

POWER INVERTER/CHARGER

EP2000 PRO Series

300W~1000W | 12V/24V | 10~30A

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 installnation and setting.Tower and rack design available for different choices.



- 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

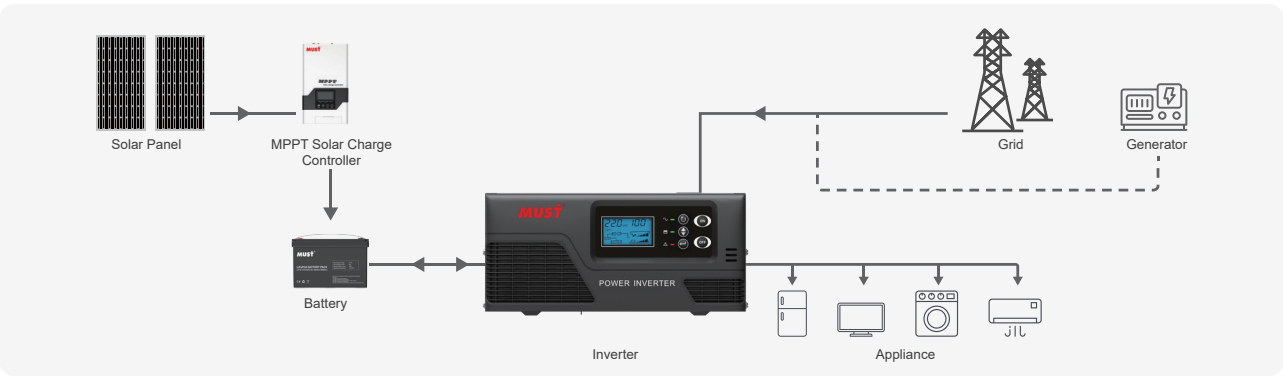
Back panel description

EP2000 PRO (Tower)

1. LCD display
2. AC Input LED
3. Bypass LED
4. AC output LED
5. Fault LED
6. ESC
7. SEL
8. ENTER
9. Power On
10. Power Off
11. Fax / Tel
12. USB
13. AC Input
14. Battery input
15. RS232
16. Fan
17. AC output
18. Battery LED

EP2000 PRO (Rack)

Solar system connection



MODEL	EP20-0312 PRO	EP20-0612 PRO	EP20-0812 PRO	EP20-1012 PRO	EP20-0324 PRO	EP20-0624 PRO	EP20-0824 PRO	EP20-1024 PRO
Default Battery System Voltage	12VDC				24VDC			
INVERTER OUTPUT								
Rated Power	300W	600W	800W	1000W	300W	600W	800W	1000W
Surge Rating	900VA	1800VA	2400VA	3000VA	900VA	1800VA	2400VA	3000VA
Waveform	Pure sine wave							
Voltage Regulation	Battery mode: 220 or 230VAC Line mode: 220~240VAC							
Output Frequency	50Hz / 60Hz							
Inverter Frequency (Peak)	>75%				>81%			
Bypass Efficiency	>95%							
Output Transfer Time	Typical:8ms 12ms(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 Frequncy 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+1.0V			
Low Battery Voltage Alarm	Low Battery Voltage Cutoff+0.5V				Low Battery Voltage Cutoff+1.0V			
Low Battery Voltage Cut Off	10-12.0VDC				20.0-24.0VDC			
High Battery Voltage Alarm	(13.8-14.5V)+1V for 12VDC mode (*2 for 24VDC)							
AC CHARGE								
Floating Voltage	13.5-14.5VDC				27-29VDC			
Boost Voltage	13.8~14.5VDC				27.6~29VDC			
Maximum Charge Current	300W	600W	800W	1000W	300W	600W	800W	1000W
	10A	20A	25A	30A	5A	10A	15A	15A
BYPASS & PROTECTION								
Input Waveform	Pure sine wave							
Input Frequency	50Hz or 60Hz							
Overload Protection	110%~125% Load fault affter 60s; 125%~150% Load fault after 3s; >150% Load fault after 500ms							
Over Temperature Protection	≥90℃							
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)(mm)	315*145*210							
N.W(kg)	300W	600W	800W	1000W	300W	600W	800W	1000W
	7.5	10.7	12.5	13.5	7.5	10.7	12.5	13.5
Package Dimension (W*H*D)(mm)	420*280*225							
G.W(kg)	300W	600W	800W	1000W	300W	600W	800W	1000W
	8	11.5	13	14.0	8	11.5	13	14
OTHER								
Operating Temperature	0℃~40℃ 0~90% relative humidity (non-condensing)							
Storage Temperature	-15℃ to 55℃							
Altitude	≤1000M							
Audible Noise	≤60dB							
Display	LED+LCD							
Cooling Mode	Fan cooling							
Fan Starting	>45℃ starting, <30℃ Closing							
Communication	USB							
CERTIFICATION & STANDARDS								

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