

EP2000 Pro Series
Pure Sine Wave Inverters

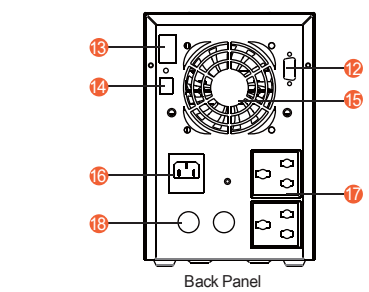
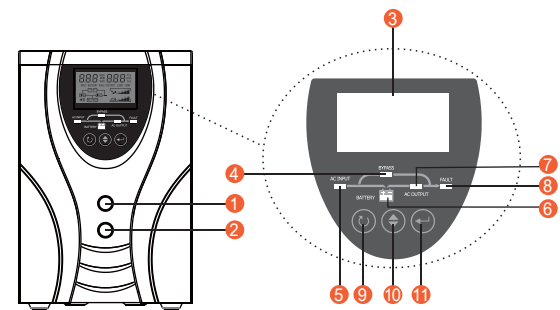
Feature:

- 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
- Support USB, RS232 (Optional) monitoring function with free CD

Introduction:

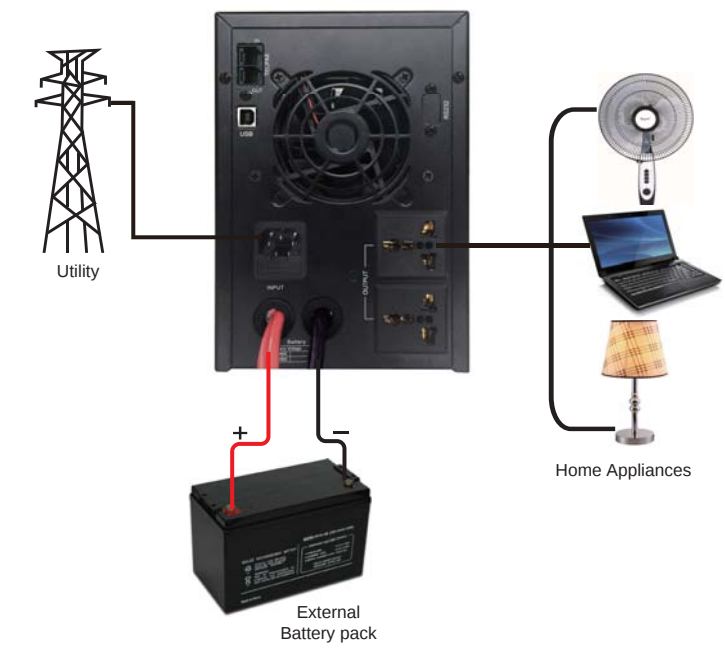
It is a cost effective, intelligent inverter with UPS function. The comprehensive LCD offers user-configurable and easy-accessible button adjustment such as battery charge current, battery charge voltage, frequency, buzzer etc.

LCD Display Information



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

Inverter Connection



Specification

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(20ms)	900W	1800W	2400W	3000W	900W	1800W	2400W	3000W
	Waveform	Pure Sine Wave							
	Rated Output Voltage	Inverter: 230VAC(+/-2% RMS), AVR: 195VAC-245VAC							
	Output Frequency	50Hz/60Hz +/-0.2Hz							
	Inverter Efficiency(Peak)	>75%				>81%			
	Bypass Efficiency	>95%							
Output Transfer Time		Typical:6ms 10ms(max)							
AC INPUT	Voltage	220/230/240VAC							
	Selectable Voltage Range	140~280VAC+/-2%							
	Low Battery Alarm	140VAC+/-2%							
	Low Voltage Recover	150VAC+/-2%							
	High Battery Alarm	280VAC+/-2%							
	High Voltage Recover	270VAC+/-2%							
	Low Frequency Alarm	45+/-0.2Hz							
	Low Frequency Recover	46+/-0.2Hz							
	High Frequency Alarm	65+/-0.2Hz							
	High Frequency Recover	64+/-0.2Hz							
Nominal Input Range		50Hz/60Hz +/-0.2Hz							
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			
	Low Battery Cutoff	10-12.0VDC				20.0-24.0VDC			
	High Battery Cutoff	Nominal Voltage+0.5V				Nominal Voltage+1.0V			
AC CHARGE	Floating Voltage	13.5 /13.6/ 13.7VDC				27.0/ 27.2 /27.4VDC			
	Nominal Voltage	13.8~14.5V				27.6~29V			
	Maximum Charge Current	300W 10A	600W 20A	800W 25A	1000W 30A	300W 5A	600W 10A	800W 15A	1000W 15A
BYPASS & PROTECTION	Input Waveform	Pure Sine Wave							
	Input Frequency	50Hz or 60Hz							
	Low Frequency Trip	45+/-0.2Hz							
	Low Frequency Trip	65+/-0.2Hz							
	Overload Protection	110%~125%R Load fault after 30S 125% ~150%R Load fault after 3s >150%R 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	Dimensions	315*145*210mm							
	(N.W) kg	300W 7.5	600W 10.7KG	800W 12.5	1000W 13.5KG				
	Shipping Dimensions (W*H*D)	420*280*225mm							
	(G.W)kg	300W 8	600W 11.5KG	800W 13	1000W 14.0KG				
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		RS232/ USB							

* Product specifications are subject to change without further notice.