



EP2000 Pro Series (300W-1KW)

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
- Deep discharge protection
- Cold start function
- Support USB/RS232 monitoring function

Selection Guide

Model		EP20-0312 Pro	EP20-0412 Pro	EP20-0512 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	400W	500W	600W	800W	1000W	300W	600W	800W	1000W	
	Surge Rating(20ms)	900W	1200W	1500W	1800W	2400W	3000W	900W	1800W	2400W	3000W	
	Waveform	Pure Sine Wave										
	Rated Output Voltage	Inverter: 230VAC(+/-5% 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+/-5%										
	Low Battery Alarm	140VAC+/-5%										
	High Battery Alarm	280VAC+/-5%										
	Low Frequency Alarm	45+/-0.2Hz										
	High Frequency Alarm	65+/-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	400W 10A	500W 15A	600W 20A	800W 25A	1000W 30A	300W 5A	600W 10A	800W 15A	1000W 15A	
BYPASS & PROTECTION	Input Frequency	50Hz or 60Hz										
	Low Frequency Trip	45+/-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°C										
	Bypass Output Protection	10A 250VAC										
	Battery Reverse Protection	Optional										
	Battery Low/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 10.7			800W 12.5			1000W 13.5	
	Shipping Dimensions (W*H*D)	420*280*225mm										
	(G.W)kg	300W 8			600W 11.5			800W 13			1000W 14	
OTHER	Operating Temperature	0°C~40°C 0~90% relative humidity (non-condensing)										
	Altitude	≤ 1000M										
	Audible Noise	≤ 60dB										
	Cooling mode	Fan cooling										
	Fan starting	>45°C starting, <30°C Closing										
Communication	RS232/ USB											