

OFF GRID INVERTER >>>

RE-I series single phase inverter



Product introduction

RE-I series inverter power supply is the fourth generation power frequency intelligent inverter power supply developed with new digital technology. The system adopts SPWM pulse width modulation technology, IGBT power module and output isolation transformer, so that the output of the inverter power supply is a pure sine wave power supply with stable frequency and voltage regulation, filtering noise and low distortion. It has the characteristics of strong load capacity, good load compatibility, and wide DC input voltage range, which greatly meets the needs of various electrical environments. The perfect protection device improves the stability and reliability of the system operation: the user-friendly LCD liquid crystal interface design enables man-machine communication zero-distance.

Performance characteristics

Pure sine wave output, sufficient power output
Complete protection functions: output overload protection, output short circuit protection, input overvoltage and undervoltage protection, over temperature protection, etc
Power frequency circuit design, good system stability, low failure rate and long life
Good transient response, low waveform distortion, high inverter efficiency, stable output voltage, and excellent EMI indicators
Strong load resistance and carrying capacity. In addition to driving various resistive loads, it can also carry various inductive devices such as motors, air conditioners, drills, gas lamps, etc

Technical parameters

Series	RE-I96	RE-I220		
Output power (kVA)	6/8	6	10/15	20/25/30
Battery				
Rated voltage(VDC)	96	220		
Mains bypass (optional)				
Input voltage allowable range(VAC)	220±15%			
Input frequency(Hz)	50/60±3%			
Mains charging	Optional			
AC output				
Output waveform	Pure sine wave			
Output voltage(VAC)	220±1%			
Output frequency(HZ)	50/60±1%			
Output waveform distortion rate(THD)	≤2%(Liner load)			
Inverter efficiency	≥85%			
Current peak factor	3:1			
Overload capacity	105%~110%, 10min;;110%~125%, 1min;>125%, 1s			
Display method	LCD+LED			
Protective function	Input reverse connection protection, input undervoltage protection, input overvoltage protection, output overload protection. Output short circuit protection (not automatically restored, the machine needs to be restarted), machine overheating protection.			
Communication function	RS485/GPRS (Optional)			
Environment				
Protection level	IP20			
Operating altitude(m)	5000(Reduce capacity for use above 2000 meters)			
Allowable relative humidity(%RH)	<95(No condensation)			
Environment temperature(°C)	-10~40			
Noise((dB)	≤50			
Appearance				
Dimensions((D*W*H)mm	645*305*770	585*210*565	645*305*770	700*405*980
Weight(kg)	75~85	50	90~100	135~155

Note: Above data are subject to change without notice.