

BE SERES-SERIES-POWER FREQUENCY MULTIFUNCTIONAL INVERTER

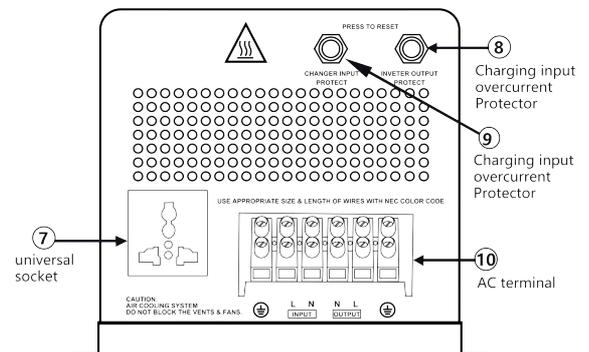
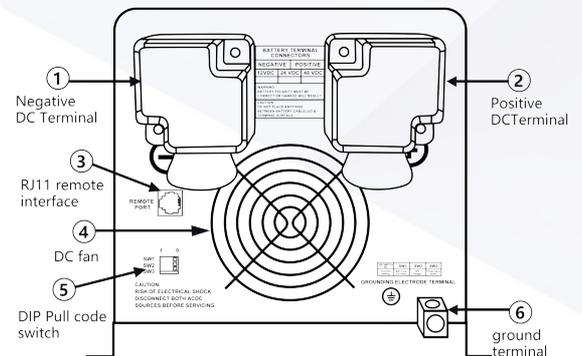


PRODUCT DESCRIPTION

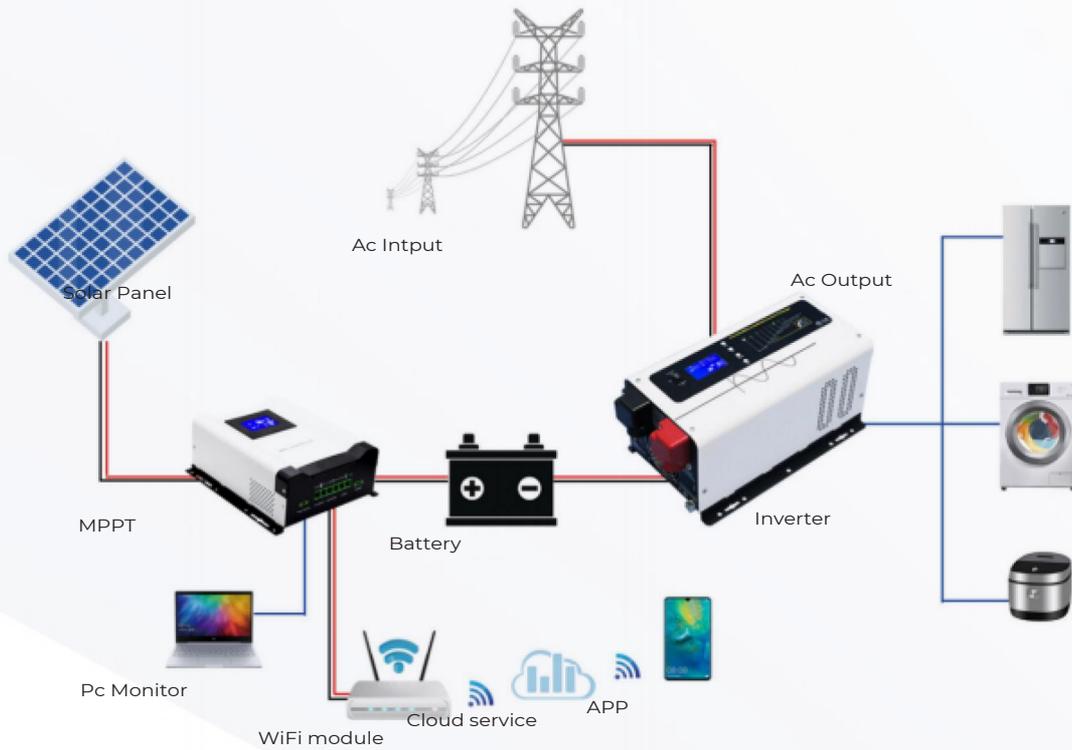
BE series products use high-efficiency, low-loss U-shaped transformers and complementary to the mains, support the generator start function, Can support voltage dual output, users can set the charging mode according to the use environment, product integrated management, with high conversion rate, It has the advantages of low power consumption and strong load capacity, It is the highest-end product in the current low frequency inverter.

PRODUCT FEATURES:

1. Contains four functions of mains bypass, mains charging, inverter UPS fully automatic switching
2. The efficiency is 3~5% higher than the ordinary power frequency series, and the self-consumption is reduced by 30~50%
3. DIP switch selection: battery under voltage point, input AC range, energy saving mode, priority mode
4. Remote communication interface RJ11/RJ45/R\$232/485 remote control panel (optional)
5. Support PC software monitoring, support WIFI 4G module expansion to realize app cloud monitoring (optional)
6. Pure sine wave output, input and output completely isolated design
7. Contains AC four-stage charging mode, and the charging current is automatically adjusted
8. It can be matched with commercial power, diesel engine power generation and other mixed power supply
9. Can withstand 3 times the rated power start, excellent load capacity
10. LED display working status, LCD remote display operating parameters
11. Under voltage/over voltage/short circuit/overload/over temperature protection
12. Pure sine wave series inverters are suitable for renewable energy systems, utilities, RVs, Marine and emergency applications.
13. Support for lithium battery communication (optional), WiFi module (optional)



SYSTEM APPLICATION DIAGRAM



BE Series parameter table

Parameter							
Rated Power (VA)	1500VA	2000VA	2500VA	4000VA	5000VA	6500VA	7500VA
Rated Power (w)	1200W	1500W	2000W	3000W	4000W	5000W	6000W
Peak Power (2s)	4500VA	6000VA	7500VA	12000VA	15000VA	19500VA	22500VA
Rated input voltage	12VDC/24VDC/48VDC		12VDC/24VDC/48VDC		24VDC/48VDC		
Mains mode specifications:							
Input voltage waveform	Sine wave (mains or generator)						
Rated input voltage	100V/110V/120V/220V/230V/240Vac						
Low voltage shutdown point	92/184Vac±4%						
Low pressure recovery point	97/194Vac±4%						
High voltage shutdown point	127/253Vac±4%						
High pressure recovery point	121/243Vac±4%						
AC input voltage	135/270V rms						
Rated input frequency	50Hz/60Hz (automatic detection)						
Low voltage recovery point frequency	40.5+0.3Hz;						
Low voltage cut-off point frequency	40+0.3Hz;						
High voltage recovery point frequency	69.5+0.3Hz;						
High voltage cut-off point frequency	70+0.3Hz ;						

BE Series parameter table

Mains mode specifications:							
Output voltage waveform	Consistent with the input voltage waveform						
Overload protection	Circuit breaker start						
Short circuit protection	Circuit breaker start						
Power Efficiency	>95%						
Conversion current	30A						
Conversion time(Ac to Dc)	10ms						
Bypass switching current	Yes						
Bypass maximum Load current	30A						
Output voltage waveform	Sine wave						
Power factor	0~1.0						
Rated output voltage (V)	120/230Vac						
Rated output frequency (Hz)	60/50Hz ± 0.3HZ						
Automatic tracking main frequency (Hz)	Yes (from the first connection)						
Output voltage range	±2%6 rms						
efficient	>80%						
Overload protection (SMPS load)	(110%<load<125%)+10%: disconnect the output voltage after 15 minutes (125%<load <150%)+10%: disconnect the output voltage after 10 seconds Load >150% +10%: Disconnect the output voltage after 20 seconds						
Short circuit protection	Current limit (power off after 10s)						
Circuit breaker size	15A	20A	30A	40A			
Rated Dc input voltage	12V/ 24V/48V						
Minimum DC terminal voltage	10V/20V/40V						
Under voltage warning	10.5Vdc ± 0.3Vdc (12V power supply)						
DC input voltage is too Low, automatic power off	10.0Vdc ± 0.3Vdc (12V power supply)						
Input over voltage warning and power failure	16Vdc ± 0.3vdc(12Vpower supply)						
Input over voltage recovery	15.5vdc ± 0.3Vdc(12V power supply)						
Power saving	load≤2W						
Inverter dimensions (Length *width *height)	360*185*180mm	420*185*180mm	597*195*190mm				
Packing size (Length *width *height)	520*315*305mm	580*315*305mm	760*325*310mm				
Inverter weight	13.5KG	14KG	17KG	21KG	27KG	29.5KG	30.5KG
Packing operating weight	15.5KG	15.5KG	19KG	23.5KG	29.5KG	31.5KG	32.5KG
Standard warranty	2 year						