SNB Sine Wave Inverter Power Supply

Overview

SNB sine wave inverter power supply uses the battery DC power supply as input, and outputs pure sinusoidal wave current after the inverter. The output voltage and frequency is stable and can work continuously for a long time. Equipping sine wave inverter power supply is a powerful guarantee for the safe and reliable operation of important systems.

Product features

- Using SPWM pulse width modulation technology, the output is pure sine wave current with low distortion and stable frequency and voltage.
- Using DC/AC electrical isolation technology, the DC/AC electrical isolation is truly realized in all circuits so that the possible interactive interference can be eliminated, which meets the isolation requirements of all systems.
- Strong carrying capacity and good load compatibility.
- With the protection of over voltage, overload, short circuit, overheat and etc.

Product composition

SNB sine wave inverter power supply mainly consists of input filter unit, power module, output isolation transformer, SPWM control circuit, instrument and indicator light and other auxiliary control circuits.

Technical Index

Type		SNB						
Capacity		400VA	600VA	800VA	1000VA	1500VA	2000VA	2500VA
Power		320W	480W	640W	800W	1200W	1600W	2000W
Input characteristic	Voltage	DC24V±20%						
Output characteristic	Voltage	1P AC220V/230V±3%						
	Frequency	50/60Hz±0.5%						
	Waveform distortion	≤3%						
	Overload capacity	10s（1.2 times rated load）						
	Efficiency	≥80%						
Noise		≤60dB						
IP grade		IP23，IP44						
Operating environment		Temperature：-10~50℃，Humidity：≤95%，Altitude ：≤1000m						
Installation		Wall-mounted						

Standard sizes

Type	Outline dimensions (mm)			Remarks
	Width	High	Depth	
SNB-4BDM1	400	500	210	Fig.1
SNB-6BDM1	450	550	250	
SNB-8BDM1				
SNB-10BDM1	450	600	250	
SNB-15BDM1				
SNB-20BDM1				
SNB-25BDM1				

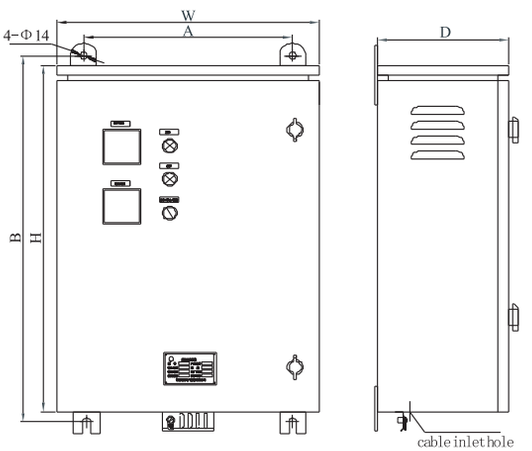

Fig.1

Model naming

Sine wave inverter power supply	SNB-	□	□	□
Output capacity:	Number（x 100VA）			
Intput voltage:	BD：DC24V ED：DC48V FD：DC110V MD：220V			
Output voltage:	M1：1P AC220V/230V Q3：3P AC380V/390V			

Selection description

For example: SNB-4BDM1

It means the input voltage of SNB sine wave inverter is DC24 V. The output voltage is single-phase AC220 V/2230V. The output capacity is 400 VA.

Functional block diagram