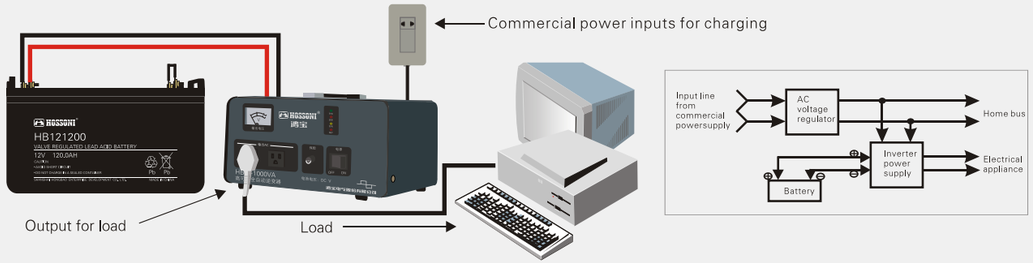
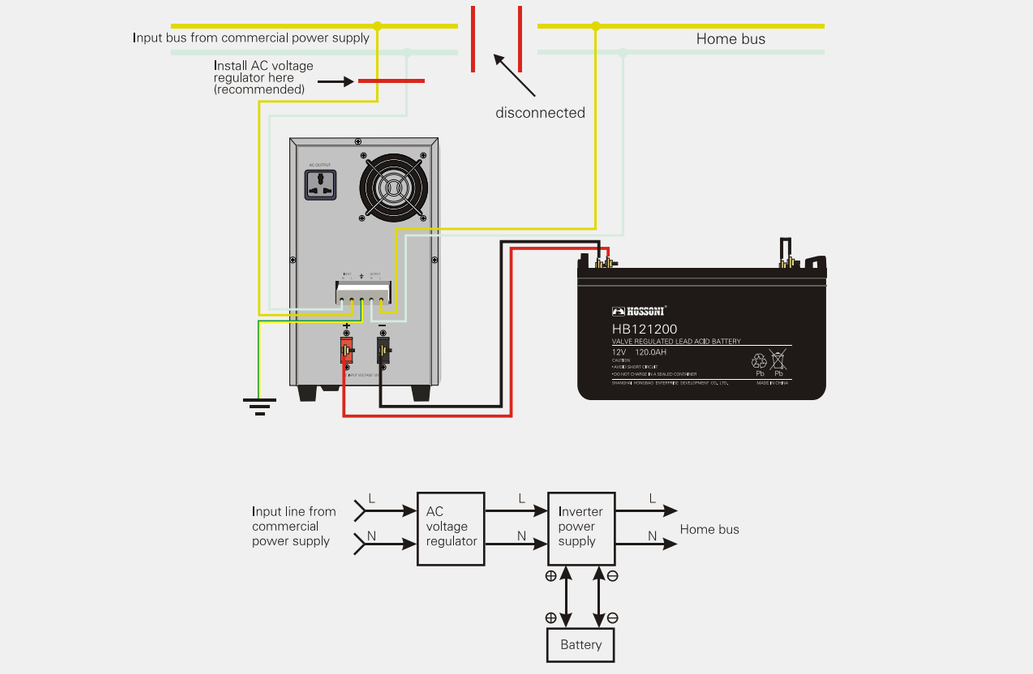
Diagram of inverter installing and using

Wiring for separate power supply



Wiring for bus cut–in (only suitable for machines whose power is equal to or over 2kVA)



HBC–DFA(HBC)

high reliability full automatic inverter

HBC–DFA Series inverter is a highly reliable automatic emergency uninterrupted power supply, uses imported integrated PWM (pulse width modulation) control, high power MOSFET driver. It charges the battery automatically when there is city power, with charging over voltage protection; when electricity outage occurs, it will convert into DC from battery into AC output, ensure no power failure within 24 hours unattended. Has advantages of quick response, anti–lightning, stable voltage and frequency output, high adaptability and practical etc.

Application

Suitable to:Computer system,
communication system,
alarm system,
hospital,
shop,
family,
lighting,
and other occasions without power.

Performance

Input AC Voltage	220V ± 10%
Output AC Voltage	220V ± 10%(auto voltage stabilizing)
Output Frequency	50Hz ± 2%(auto frequency stabilizing)
Output Waveform	modified sine wave
energy conversion rate	⩾80%
switch method	auto switching within ⩽100ms
emergency back–up time	depends on the capacity of battery and power of load, formula is as follows
invert back–up tim(h)=	$\frac{\text{battery capacity(Ah)}}{\text{discharge current(A)}} \times 0.85(\eta)$
Battery	external battery

Model & Spec

Model	spec.	DC Voltage	Outline size	Weight
		(V)	(cm)	(kg)
HBC–DFA	100VA	12V/24V/36V/48V	19.5X18.5X9.5	7
	200VA	12V/24V/36V/48V	19.5X18.5X9.5	8.5
	300VA	12V/24V/36V/48V	26X25.5X15.5	9.5
	350VA	12V/24V/36V/48V	26X25.5X15.5	10
	500VA	12V/24V/36V/48V	26X25.5X15.5	12
	800VA	12V/24V/36V/48V	30X28X16	17
	1000VA	12V/24V/36V/48V	30X28X16	18
	1500VA	12V/24V/36V/48V	32X33X18.5	23.4

Note: Built–in battery models and special voltage requirements,
can be customized according to the actual situation, will be quoted separately.

HBC–DFP(HBC–P)

microcomputer intelligent square wave inverter

HBC–DFP series microcomputer square wave inverter is one of the most advanced DC–AC inverters, uses microcomputer control, humane design, highly automated. Inside is designed with high power synchronous rectification charger, charging under the voltage and current limiting mode, keeps the battery always have sufficient power. It charges the battery when connected with power grid or power generator, and supply power to AC load through inverter at the same time; When the AC power is interrupted, the inverter automatically convert AC to DC battery power to the load. It is simply, stable, no noise, no pollution etc.