

**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 ( V )	Outline size ( cm )	Weight ( 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.

**Application**

Supply emergency power to:  
 vehicle,vessel,solar power,  
 wind power,  
 areas without electricity,  
 and power tools,fluorescent,  
 TV,microwave,computers,  
 and other electrical appliances

**Performance**

Input AC Voltage	220V ± 10%
Output AC Voltage	220V ± 10% (effective value)
Output Frequency	50Hz ± 0.5%
Output Waveform	modified sine wave
distortion rate of waveform	<5%
energy conversion rate	≥85%
switch method	≤15ms
emergency back-up time	depends on the capacity of battery and power of load, formula is as follows
invert back-up time(h)=	$\frac{\text{battery capacity(Ah)} \times 0.85}{\text{discharge current(A)} (\eta)}$
Battery	external battery

**Model & Spec**

	Model	Spec.	DC Voltage	Outline size	Weight
			( V )	( cm )	( kg )
desk type	<b>HBC-DFP (no meter)</b>	500VA	12V/24V/36V/48V	60X26X24	14
		1000VA	12V/24V/36V/48V	60X26X24	29
		1500VA	24V/36V/48V	60X26X24	32
		2000VA	24V/36V/48V	70X28X24	45
		3000VA	24V/36V/48V	70X28X24	51
		4000VA	24V/36V/48V	80X30X24	58
		5000VA	24V/36V/48V	80X30X24	64
	<b>HBC-DFP (LCD screen)</b>	500VA	12V/24V/36V/48V	60X26X24	14
		1000VA	12V/24V/36V/48V	60X26X24	29
		1500VA	24V/36V/48V	60X26X24	32
		2000VA	24V/36V/48V	70X28X24	45
		3000VA	24V/36V/48V	70X28X24	51
		4000VA	24V/36V/48V	80X30X24	58
		5000VA	24V/36V/48V	80X30X24	64
floor type	<b>HBC-DFP (needle metern)</b>	500VA	12V/24V/36V/48V	28.5X14X35	14
		1000VA	12V/24V/36V/48V	37X21.5X42	25
		1500VA	24V/36V/48V	37X21.5X42	33
		2000VA	24V/36V/48V	40.5X26X55	49
		3000VA	24V/36V/48V	40.5X26X55	51
		4000VA	24V/36V/48V	44X26X60	60
		5000VA	24V/36V/48V	44X26X60	62
	<b>HBC-DFP (LCD screen)</b>	500VA	12V/24V/36V/48V	28.5X14X35	14
		1000VA	12V/24V/36V/48V	37X21.5X42	25
		1500VA	24V/36V/48V	37X21.5X42	33
		2000VA	24V/36V/48V	40.5X26X55	49
		3000VA	24V/36V/48V	40.5X26X55	51
		4000VA	24V/36V/48V	44X26X60	60
		5000VA	24V/36V/48V	44X26X60	62

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



## HBC-DZP(HBC-PSW) microcomputer intelligent sine wave inverter

HBC-DZP 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.