

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)=	$\frac{\text{battery capacity(Ah)}}{\text{discharge current(A)}} \times 0.85 (\eta)$
Battery	external battery

Model & Spec

Model		Spec.	DC Voltage	Outline size	Weight
			(V)	(cm)	(kg)
desk type	HBC–DFP (no meter)	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
	HBC–DFP (LCD screen)	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	HBC–DFP (needle metern)	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
	HBC–DFP (LCD screen)	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.

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Performance

Input AC Voltage	220V ± 10%
Output AC Voltage	220V ± 5% (effective value)
Output Frequency	50Hz ± 0.5%
Output Waveform	sina wave
energy conversion rate	≥ 75%
switch method	≤ 3s
emergency back-up time	depends on the capacity of battery and power of load, formula is as follows
invert back-up time(h)=	$\frac{\text{battery capacity(Ah)}}{\text{discharge current(A)}} \times 0.75 (\eta)$
Battery	external battery

Model & Spec

		Model	Spec.	DC Voltage	Outline size	Weight
				(V)	(cm)	(kg)
desk type	HBC-DZP (no meter)		500VA	12V/24V/36V/48V	60X26X24	14
			1000VA	12V/24V/36V/48V	60X26X24	32
			1500VA	24V/36V/48V	60X26X24	36
			2000VA	24V/36V/48V	60X28X24	52
			3000VA	24V/36V/48V	70X28X24	54
			4000VA	36V/48V	80X30X24	61
			5000VA	36V/48V	80X30X24	66
	HBC-DZP (LCD screen)		500VA	12V/24V/36V/48V	60X26X24	14
			1000VA	12V/24V/36V/48V	60X26X24	32
			1500VA	24V/36V/48V	60X26X24	36
			2000VA	24V/36V/48V	60X28X24	52
			3000VA	24V/36V/48V	70X28X24	54
			4000VA	36V/48V	80X30X24	61
			5000VA	36V/48V	80X30X24	66
floor type	HBC-DZP (needle metern)		500VA	12V/24V/36V/48V	28.5X14X35	14
			1000VA	12V/24V/36V/48V	37X21.5X42	26.5
			1500VA	24V/36V/48V	37X21.5X42	34.5
			2000VA	24V/36V/48V	40.5X26X55	51
			3000VA	24V/36V/48V	40.5X26X55	53
			4000VA	36V/48V	44X26X60	62
			5000VA	36V/48V	44X26X60	64
	HBC-DZP (needle metern)		500VA	12V/24V/36V/48V	28.5X14X35	14
			1000VA	12V/24V/36V/48V	37X21.5X42	26.5
			1500VA	24V/36V/48V	37X21.5X42	34.5
			2000VA	24V/36V/48V	40.5X26X55	51
			3000VA	24V/36V/48V	40.5X26X55	53
			4000VA	36V/48V	44X26X60	62
			5000VA	36V/48V	44X26X60	64

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



HBC-DFG(HBC-A/B/C)

DC/AC inverters

HBC-DFG series car AC inverter is one of the most advanced DC-AC inverters, specially designed (with cigarette lighter) for devices like car audio, TV, small fridge, mobile and laptop charger that need 220V output, it has advantages of small size, high efficiency, easy to carry etc.