

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 ± 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.

Application

Supply AC power to devices such as:

- car audio,
- TV,
- small fridge,
- mobile phone,

and laptop charger used on the car.

Performance

Output AC Voltage	220V ± 5%(effective value)
Output Frequency	50Hz ± 0.1 %
Output Waveform	modified sine wave
energy conversion rate	≥90%

Model & Spec

Model	Spec.	DC Voltage	Outline size	Weight
		( V )	( cm )	( kg )
HBC–DFG	100VA	12V	16.5 × 13.5 × 5.5	0.6
	150VA	12V	16.5 × 13.5 × 5.5	0.85
	200VA	12V	18 × 12.5 × 5.5	1
	300VA	12V	18 × 12.5 × 5.5	1.2
	350VA	12V	19 × 14 × 6.8	1.5
	500VA	12V/24V	22.5 × 14 × 6.8	1.75
	1000VA	12V/24V	33.7 × 23 × 9	3.7
	1200VA	12V/24V	33.7 × 23 × 9	3.7
	1500VA	12V/24V	35 × 27 × 10.5	4.5
	1700VA	12V/24V	35 × 27 × 10.5	4.5



# ACA

## Full automatic charger

ACA full automatic charger adopts full automatic control circuit , it controls the current adjustment automatically according to battery voltage, when the battery voltage gets preset value ( Set at user requirement ) , it will stop charging automatically .

With the features of high automation , reliable performance and simple operation, it is suitable for battery whose voltage is 12V and 24V and the capacity is less than 300AH.