



Tiger Head INVERTERS



Tiger Head

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GUANGZHOU TIGER HEAD BATTERY GROUP CO.,LTD.

INTRODUCTION

Guangzhou Tiger Head Battery Group Co., Ltd

Guangzhou Tiger Head Battery Group Co., Ltd., with authorized self-import & export right, is the key enterprises for dry batteries in China. It realizes the annual sales over 6 billion pieces of dry batteries, and export value over 420 million U.S. dollars, which makes it the leading battery enterprise in China, not only in the concern of sales volume and export volume, but also of export value and main business incomes.

The company's main products involve all kinds of dry batteries, lead-acid storage batteries, Ni-MH batteries, polymer Li-Ion batteries, inverters, branded by "555", "Tiger Head", "TIHAD", and "Lighting", and some battery-related small household appliances, such as jump starters, energy saving bulbs, LED lights, candles, mosquito coils, footballs, and so on. In 2010, the company developed a new generation of low-carbon product named Lighting Battery which acts as lighting without affecting the normal function for power supply, facilitating emergency, adventure, atmosphere, and maintenance, etc.. In 2012, the Art Battery was presented not only with basic function of normal battery, but also with function of art ornament and emergency.

For years, the company is cared and supported by leaders at all levels. The party and state leaders as well as provincial and municipal leaders, such as Wen Jiabao, Li Changchun, Wu Yi, Zhang Dejiang, Zou Jiahua, Huang Huahua, Zhu Xiaodan, Zhang Guangning etc., have paid visits to the company, bringing great incentive. On December 11, 2002, Zou Jiahua, vice chairman of National People's Congress, inspected the company with the inscription of "Clean Production Model and Modern Environmental Pioneer" while on October 15, 2006, Premier Wen Jiabao visited the company and praised by words of "let old brand glow with youth by integrating production with trade, by brand

strategy and technological innovation". On Sep.22, 2011, Mr.Zhang Dejiang, Vice premier of China, visited our company and affirmed our achievements. The trademark "Tiger Head" of the company is the first "Chinese Well-known Trademark" in Guangzhou as well as in the country's battery industry. At the same time, it is identified as "Chinese Export Brand". Besides, the trademark "555" is the "Famous Trademark" in Guangzhou city as well as in Guangdong province.

Based on strengthening quality control and seeking development via technical progress, Tiger Head Battery Group Co., Ltd. has been making persistent efforts to excel. As the first company using computer-controlled automatic discharging detection facility to fulfill strict quality monitoring in production, the company is marked as "excellent enterprise of light industrial in China" with advanced quality control system. It has passed the certification for ISO9001:2000 quality management system and ISO14001:2004 environment management system. For years running, it has been evaluated as the "Advanced Enterprise of Quality and Profit" by the Ministry of Foreign Trade and Economic Cooperation, PRC, the State Bureau of Light Industry and the Quality Control Association of Guangdong Province.

Recently, the company invested RMB 1.5 million independently developing the Real-time Monitoring Management System via IT new technology, which includes several parts of on-the-spot production management, operation instruction, and figures analysis, etc. This system, via visual image transformation and vivid industry control charts, can help monitoring persons to get accurate first-hand information about the production; even they are not on the production spot. Thus, it helps to improve management efficiency and reduce management cost.



DIRECTORY

Advanced Technology of Our Inverters

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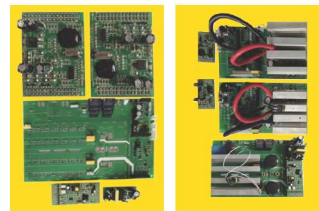
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PURE SINE WAVE INVERTER



TECHNOLOGY ADVANTAGE

Core Technology: CPU and PCB



Smart CPU

PCB Main Board

Function

- Short circuit protection
- Over temperature protection
- Overload protection

Structure



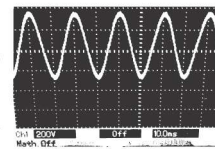
Inner structure : All the components are set up in order with scientific design.



Screen: With detailed working indicators, everything related is shown clearly.

Outstanding Performance

1. Adopt pure sine wave inverters, with smooth waves. With this advantage, the inverter can work stably.
2. The inverters are all controlled by protective critical values, keeping the inverters work efficiently in any possible situations.
3. The switching time is less than 0.4ms.
4. High-quality materials and long-life components are contained in our inverters.

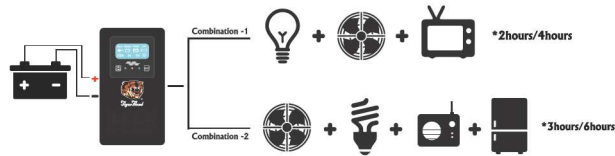


ADVANTAGE

Difference	Inverters of Our Brand	Inverters of Other Brands
Reaction Ability of Protection Function	The critical point for the protection of each protection function is set in strict accordance with the requirements of implementation. We also made adjustment on the hardware to keep consistent with the software's reaction speed, which effectively solves the protection allergic phenomenon.	Protection of inverters is too sensitive, prone to crashes, restart, flash and other unstable factors, which caused adverse effects to customer's usage.
Margin Magnification Standard	Our inverters equip with 6 times margin, coupled with slow start-up technology, which solves the problem of inductive load with strong impact well.	Adopt 3 times margin
Standard of Main Components	We only manufacture inverters of high quality of every component to ensure long-life use.	Common standard.
Protection	Short circuit protection(Without self-restart)	Short circuit protection(self-restart after 5 seconds), which is easy to damage electrical appliances
Time of Exchanging to Electric Power Supply	3-5 seconds	Longer than 22 seconds
Power Loss Without Load	11W	More than 18W

DC SERIES DC 12V500VA

INTRODUCTION



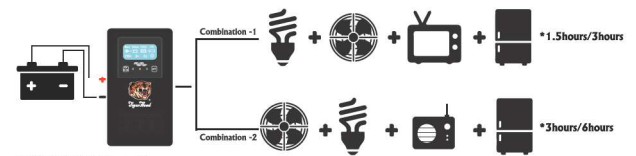
12V 100Ah/200Ah x 1 PC

DC 12V500VA	
Model	DC 12V500VA
POWER	500VA
Charging Current	15 - 20A
DC Voltage Input	12V
Inverter Output Voltage	110V/230V±3%
Output Waveform	Pure sine wave
Transfer Time	Automatic switching within 4ms
Overload Capacity	120%for 10min,150%for 1min
Protection Function	Short circuit protection, overload protection, over temperature protection, battery protection against reverse connection(reverse connection protection)

Electrical Appliances	Collocation of Inverter and Battery									
	DC 12V500VA Inverter + 12V 100Ah x 1 PC Battery				DC 12V500VA Inverter + 12V 200Ah x 1 PC Battery					
	Battery Fully Charging Time	5h		10h		5h		10h		
Time of Use Alone	Group 1 Item	Group 2 Time	Group 1 Item	Group 2 Time	Time of Use Alone	Group 1 Item	Group 2 Time	Group 1 Item	Group 2 Time	
Incandescent Bulb	13h	✓				26h	✓			
CFL Light Bulbs	30h		✓			60h		✓		
Fan	40h	✓				80h	✓			✓
Radio	60h		✓			120h		✓		✓
Air Conditioner(1HP)	0h		2h		3h	0h		4h		6h
TV	3h	✓				6h	✓			
Computer	3h					6h				
Fridge	4h		✓			8h		✓		

DC SERIES DC 12V800VA

INTRODUCTION



12V 100Ah/200Ah x 1 PC

DC 12V800VA	
Model	DC 12V800VA
POWER	800VA
Charging Current	15 - 20A
DC Voltage Input	12V
Inverter Output Voltage	110V/230V±3%
Output Waveform	Pure sine wave
Transfer Time	Automatic switching within 4ms
Overload Capacity	120%for 10min,150%for 1min
Protection Function	Short circuit protection, overload protection, over temperature protection, battery protection against reverse connection(reverse connection protection)

Electrical Appliances	Collocation of Inverter and Battery									
	DC 12V800VA Inverter + 12V 100Ah x 1 PCS Battery				DC 12V800VA Inverter + 12V 200Ah x 1 PCS Battery					
	Battery Fully Charging Time	5h		10h		5h		10h		
Time of Use Alone	Group 1 Item	Group 2 Time	Group 1 Item	Group 2 Time	Time of Use Alone	Group 1 Item	Group 2 Time	Group 1 Item	Group 2 Time	
Incandescent Bulb	13h					26h				
CFL Light Bulbs	30h	✓				60h	✓			✓
Fan	40h	✓				80h	✓			✓
Radio	60h		✓			120h		✓		✓
Air Conditioner(1HP)	0h		1.5h		2.5h	0h		3h		5h
TV	3h	✓				6h	✓			
Computer	3h					6h				✓
Fridge	4h	✓				8h	✓			

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DC SERIES DC 12V1KVA

INTRODUCTION



12V 100Ah/200Ah x 1 PCS

DC 12V1KVA	
Model	DC 12V1KVA
POWER	1000VA
Charging Current	15 - 25A
DC Voltage Input	12V
Inverter Output Voltage	110V/230V±3%
Output Waveform	Pure sine wave
Transfer Time	Automatic switching within 4ms
Overload Capacity	120%for 10min,150%for 1min
Protection Function	Short circuit protection, overload protection, over temperature protection, battery protection against reverse connection(reverse connection protection)

Electrical Appliances	Collocation of Inverter and Battery									
	DC 12V1KVA Inverter + 12V 100Ah x 1 PCS Battery				DC 12V1KVA Inverter + 12V 200Ah x 1 PCS Battery					
	Battery Fully Charging Time	5h		10h		5h		10h		
Time of Use Alone	Group 1 Item	Group 2 Time	Group 1 Item	Group 2 Time	Time of Use Alone	Group 1 Item	Group 2 Time	Group 1 Item	Group 2 Time	
Incandescent Bulb	13h					26h				
CFL Light Bulbs	30h	✓				60h	✓			✓
Fan	40h	✓				80h	✓			✓
Radio	60h		✓			120h		✓		✓
Air Conditioner(1HP)	0h		1.5h		2h	0h		3h		4h
TV	3h					6h				✓
Computer	3h	✓				6h	✓			
Fridge	4h	✓				8h	✓			

DC SERIES DC 12V1.5KVA

INTRODUCTION



12V 200Ah x 2 PCS (in parallel)

DC 12V1.5KVA	
Model	DC 12V1.5KVA
POWER	1500VA
Charging Current	15 - 30A
DC Voltage Input	12V
Inverter Output Voltage	110V/230V±3%
Output Waveform	Pure sine wave
Transfer Time	Automatic switching within 4ms
Overload Capacity	120%for 10min,150%for 1min
Protection Function	Short circuit protection, overload protection, over temperature protection, battery protection against reverse connection(reverse connection protection)

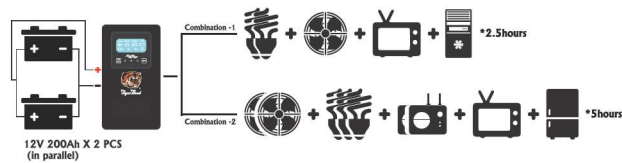
Electrical Appliances	Collocation of Inverter and Battery									
	DC 12V1.5KVA Inverter + 12V 200Ah x 2 PCS Battery (in parallel)				DC 12V1.5KVA Inverter + 12V 200Ah x 4 PCS Battery (in parallel)					
	Battery Fully Charging Time	8h for 1PC		8h for 1PC		8h for 1PC		8h for 1PC		
Time of Use Alone	Group 1 Item	Group 2 Time	Group 1 Item	Group 2 Time	Time of Use Alone	Group 1 Item	Group 2 Time	Group 1 Item	Group 2 Time	
Incandescent Bulb	50h					100h				
CFL Light Bulbs	120h	✓				240h	✓			✓
Fan	160h	✓				320h	✓			✓
Radio	240h	✓				480h	✓			✓
Air Conditioner(1HP)	3h	✓	2.5h		5h	6h	✓	5h		10h
TV	12h					24h				✓
Computer	12h					24h				
Fridge	16h		✓			32h		✓		

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DC SERIES DC 12V1.8KVA

INTRODUCTION

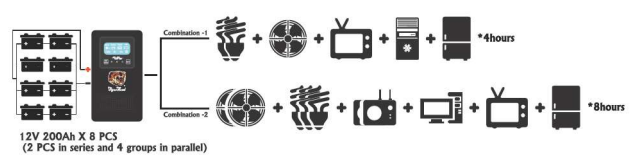


DC 12V1.8KVA	
Model	DC 12V 1.8KVA
POWER	1800VA
Charging Current	15-30A
DC Voltage Input	12V
Inverter Output Voltage	110V/230v±3%
Output Waveform	Pure sine wave
Transfer Time	Automatic switching within 4ms
Overload Capacity	120%for 10min,150%for 1min
Protection Function	Short circuit protection, overload protection, over temperature protection,battery protection against reverse connection(reverse connection protection)

Electrical Appliances	Collocation of Inverter and Battery									
	DC 12V1.8KVA Inverter + 12V 200Ah x 2 PCS Battery (in parallel)				DC 12V1.8KVA Inverter + 12V 200Ah x 4 PCS Battery (in parallel)					
	Battery Fully Charging Time		8h for 1PC		Battery Fully Charging Time		8h for 1PC			
Time of Use Alone	Group 1	Group 2	Item	Time	Time of Use Alone	Group 1	Group 2	Item	Time	
Incandescent Bulb	50h					100h				
CFL Light Bulbs	120h	✓	✓	✓	✓	240h	✓	✓	✓	✓
Fan	160h	✓	✓	✓	✓	320h	✓	✓	✓	✓
Radio	240h	✓	✓	✓	✓	480h	✓	✓	✓	✓
Air Conditioner(1HP)	3h	✓	2.5h	5h	6h	✓	5h	10h		
TV	12h	✓	✓	✓	✓	24h	✓	✓	✓	✓
Computer	12h	✓	✓	✓	✓	24h	✓	✓	✓	✓
Fridge	16h	✓	✓	✓	✓	32h	✓	✓	✓	✓

DC SERIES DC 24V2KVA

INTRODUCTION

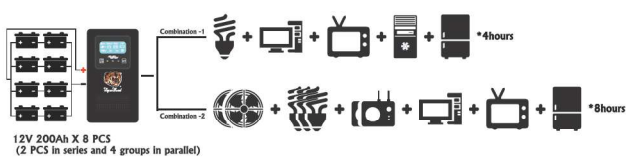


DC 24V2KVA	
Model	DC 24V 2KVA
POWER	2000VA
Charging Current	15-30A
DC Voltage Input	24V
Inverter Output Voltage	110V/230v±3%
Output Waveform	Pure sine wave
Transfer Time	Automatic switching within 4ms
Overload Capacity	120%for 10min,150%for 1min
Protection Function	Short circuit protection, overload protection, over temperature protection,battery protection against reverse connection(reverse connection protection)

Electrical Appliances	Collocation of Inverter and Battery									
	DC 24V2KVA Inverter + 12V 200Ah x 4 PCS Battery (2 PCS in series and 2 groups in parallel)				DC 24V2KVA Inverter + 12V 200Ah x 8 PCS Battery (2 PCS in series and 4 groups in parallel)					
	Battery Fully Charging Time		8h for 1PC		Battery Fully Charging Time		8h for 1PC			
Time of Use Alone	Group 1	Group 2	Item	Time	Time of Use Alone	Group 1	Group 2	Item	Time	
Incandescent Bulb	100h					200h				
CFL Light Bulbs	240h	✓	✓	✓	✓	480h	✓	✓	✓	✓
Fan	320h	✓	✓	✓	✓	640h	✓	✓	✓	✓
Radio	480h	✓	✓	✓	✓	960h	✓	✓	✓	✓
Air Conditioner(1HP)	6h	✓	4h	8h	12h	✓	8h	16h		
TV	24h	✓	✓	✓	✓	48h	✓	✓	✓	✓
Computer	24h	✓	✓	✓	✓	48h	✓	✓	✓	✓
Fridge	32h	✓	✓	✓	✓	64h	✓	✓	✓	✓

DC SERIES DC 24V2.5KVA

INTRODUCTION



DC 24V2.5KVA	
Model	DC 24V 2.5KVA
POWER	2500VA
Charging Current	15-35A
DC Voltage Input	24V
Inverter Output Voltage	110V/230v±3%
Output Waveform	Pure sine wave
Transfer Time	Automatic switching within 4ms
Overload Capacity	120%for 10min,150%for 1min
Protection Function	Short circuit protection, overload protection, over temperature protection,battery protection against reverse connection(reverse connection protection)

Electrical Appliances	Collocation of Inverter and Battery									
	DC 24V2.5KVA Inverter + 12V 200Ah x 4 PCS Battery (2 PCS in series and 2 groups in parallel)				DC 24V2.5KVA Inverter + 12V 200Ah x 8 PCS Battery (2 PCS in series and 4 groups in parallel)					
	Battery Fully Charging Time		7h for 1PC		Battery Fully Charging Time		7h for 1PC			
Time of Use Alone	Group 1	Group 2	Item	Time	Time of Use Alone	Group 1	Group 2	Item	Time	
Incandescent Bulb	100h					200h				
CFL Light Bulbs	240h	✓	✓	✓	✓	480h	✓	✓	✓	✓
Fan	320h	✓	✓	✓	✓	640h	✓	✓	✓	✓
Radio	480h	✓	✓	✓	✓	960h	✓	✓	✓	✓
Air Conditioner(1HP)	6h	✓	4h	8h	12h	✓	8h	16h		
TV	24h	✓	✓	✓	✓	48h	✓	✓	✓	✓
Computer	24h	✓	✓	✓	✓	48h	✓	✓	✓	✓
Fridge	32h	✓	✓	✓	✓	64h	✓	✓	✓	✓

DC SERIES DC 48V3.5KVA

INTRODUCTION



DC 48V3.5KVA	
Model	DC 48V 3.5KVA
POWER	3500VA
Charging Current	15-35A
DC Voltage Input	48V
Inverter Output Voltage	220v±3%
Output Waveform	Pure sine wave
Transfer Time	Automatic switching within 4ms
Overload Capacity	120%for 10min,150%for 1min
Protection Function	Short circuit protection, overload protection, over temperature protection,battery protection against reverse connection(reverse connection protection)

Electrical Appliances	Collocation of Inverter and Battery									
	DC 48V3.5KVA Inverter + 12V 200Ah x 8 PCS Battery (4 PCS in series and 2 groups in parallel)				DC 48V3.5KVA Inverter + 12V 200Ah x 14 PCS Battery (4 PCS in series and 4 groups in parallel)					
	Battery Fully Charging Time		7h for 1PC		Battery Fully Charging Time		7h for 1PC			
Time of Use Alone	Group 1	Group 2	Item	Time	Time of Use Alone	Group 1	Group 2	Item	Time	
Incandescent Bulb	400h					800h				
CFL Light Bulbs	960h	✓	✓	✓	✓	1920h	✓	✓	✓	✓
Fan	1280h	✓	✓	✓	✓	2560h	✓	✓	✓	✓
Radio	1920h	✓	✓	✓	✓	3840h	✓	✓	✓	✓
Air Conditioner(1HP)	24h	✓	14h	32h	36h	✓	24h	48h		
TV	96h	✓	✓	✓	✓	192h	✓	✓	✓	✓
Computer	96h	✓	✓	✓	✓	192h	✓	✓	✓	✓
Fridge	128h	✓	✓	✓	✓	256h	✓	✓	✓	✓

DC SERIES DC 48V5KVA

INTRODUCTION



DC 48V5KVA	
Model	DC 48V 5KVA
POWER	5000VA
Charging Current	15 - 35A
DC Voltage Input	48V
Inverter Output Voltage	220v±3%
Output Waveform	Pure sine wave
Transfer Time	Automatic switching within 4ms
Overload Capacity	120%for 10min,150%for 1min
Protection Function	Short circuit protection, overload protection, over temperature protection,battery protection against reverse connection(reverse connection protection)

Electrical Appliances	Collocation of Inverter and Battery DC 48V5KVA Inverter + 12V 200Ah x 20 PCS Battery (4 PCS in series and 5 groups in parallel)				
	Battery Fully Charging Time	7h for 1PC			
		Time of Use Alone	Group 1		Group 2
		Item	Time	Item	Time
Incandescent Bulb	500h				
CFL Light Bulbs	1200h	✓✓		✓✓✓✓	
Fan	1600h	✓✓✓		✓✓	
Radio	2400h		18h	✓✓	36h
Air Conditioner(1HP)	30h	✓			
TV	120h	✓		✓	
Computer	120h	✓		✓	
Fridge	160h	✓		✓	

DC SERIES DC 48V6.5KVA

INTRODUCTION



DC 48V6.5KVA	
Model	DC 48V 6.5KVA
POWER	6500VA
Charging Current	25 - 40A
DC Voltage Input	48V
Inverter Output Voltage	220v±3%
Output Waveform	Pure sine wave
Transfer Time	Automatic switching within 4ms
Overload Capacity	120%for 10min,150%for 1min
Protection Function	Short circuit protection, overload protection, over temperature protection,battery protection against reverse connection(reverse connection protection)

Electrical Appliances	Collocation of Inverter and Battery DC 48V6.5KVA Inverter + 12V 200Ah x 32 PCS Battery (4 PCS in series and 8 groups in parallel)				
	Battery Fully Charging Time	8h for 1PC			
		Time of Use Alone	Group 1		Group 2
		Item	Time	Item	Time
Incandescent Bulb	840h				
CFL Light Bulbs	1920h	✓✓		✓✓✓✓	
Fan	2560h	✓✓✓		✓✓	
Radio	3840h		18h	✓✓	60h
Air Conditioner(1HP)	48h	✓✓			
TV	192h	✓		✓	
Computer	192h	✓		✓	
Fridge	256h	✓		✓	

DC SERIES DC 96V8KVA

INTRODUCTION



DC 96V8KVA	
Model	DC 96V 8KVA
POWER	8000VA
Charging Current	25 - 40A
DC Voltage Input	96V
Inverter Output Voltage	220v±3%
Output Waveform	Pure sine wave
Transfer Time	Automatic switching within 4ms
Overload Capacity	120%for 10min,150%for 1min
Protection Function	Short circuit protection, overload protection, over temperature protection,battery protection against reverse connection(reverse connection protection)

Electrical Appliances	Collocation of Inverter and Battery DC 96V8KVA Inverter + 12V 200Ah x 32 PCS Battery (8 PCS in series and 4 groups in parallel)				
	Battery Fully Charging Time	8h for 1PC			
		Time of Use Alone	Group 1		Group 2
		Item	Time	Item	Time
Incandescent Bulb	840h				
CFL Light Bulbs	1920h	✓✓		✓✓✓✓	
Fan	2560h	✓✓✓		✓✓✓✓	
Radio	3840h		16h	✓✓	56h
Air Conditioner(1HP)	48h	✓✓			
TV	192h	✓✓		✓	
Computer	192h	✓✓		✓	
Fridge	256h	✓✓		✓	

DC SERIES DC 96V8.5KVA

INTRODUCTION

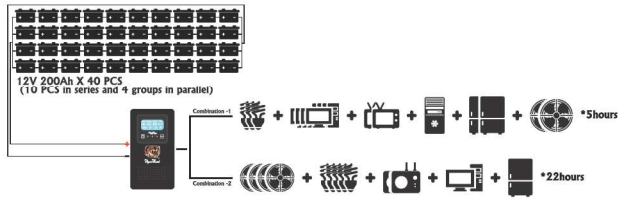


DC 96V8.5KVA	
Model	DC 96V 8.5KVA
POWER	8500VA
Charging Current	25 - 40A
DC Voltage Input	96V
Inverter Output Voltage	220v±3%
Output Waveform	Pure sine wave
Transfer Time	Automatic switching within 4ms
Overload Capacity	120%for 10min,150%for 1min
Protection Function	Short circuit protection, overload protection, over temperature protection,battery protection against reverse connection(reverse connection protection)

Electrical Appliances	Collocation of Inverter and Battery DC 96V8.5KVA Inverter + 12V 200Ah x 40 PCS Battery (8 PCS in series and 5 groups in parallel)				
	Battery Fully Charging Time	8h for 1PC			
		Time of Use Alone	Group 1		Group 2
		Item	Time	Item	Time
Incandescent Bulb	1060h				
CFL Light Bulbs	2400h	✓✓		✓✓✓✓	
Fan	3200h	✓✓✓		✓✓✓✓	
Radio	4800h		30h	✓✓	70h
Air Conditioner(1HP)	60h	✓			
TV	240h	✓		✓	
Computer	240h	✓		✓	
Fridge	320h	✓✓		✓	

DC SERIES DC 120V20KVA

INTRODUCTION

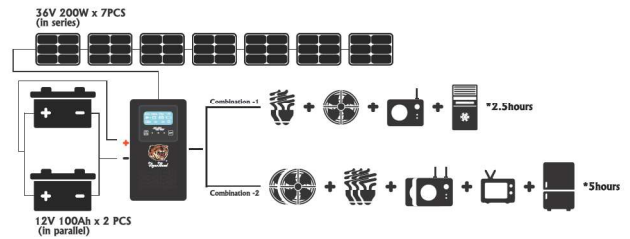


DC 120V20KVA	
Model	DC 120V20KVA
POWER	20000VA
Charging Current	25-40A
DC Voltage Input	120V
Inverter Output Voltage	220V±3%
Output Waveform	Pure sine wave
Transfer Time	Automatic switching within 4ms
Overload Capacity	120%for 10min,150%for 1min
Protection Function	Short circuit protection, overload protection, over temperature protection,battery protection against reverse connection(reverse connection protection)

Electrical Appliances	Collocation of Inverter and Battery						
	DC 120V8.5KVA Inverter + 12V 200Ah x 40 PCS Battery (10 PCS in series and 4 groups in parallel)						
	Battery Fully Charging Time	5h for 1PC				Group 2	Time
		Time of Use Alone	Group 1		Item		
Item	Time	Item	Time	Item	Time		
Incandescent Bulb	1060h						
CFL Light Bulbs	240h	✓✓✓		✓✓✓✓			
Fan	320h	✓✓		✓✓✓✓			
Radio	480h			✓✓			
Air Conditioner(1HP)	60h	✓	20h			110h	
TV	240h	✓✓					
Computer	240h	✓✓✓✓		✓			
Fridge	320h	✓✓		✓			

SOLAR SERIES SDC 12V1.5KVA

INTRODUCTION

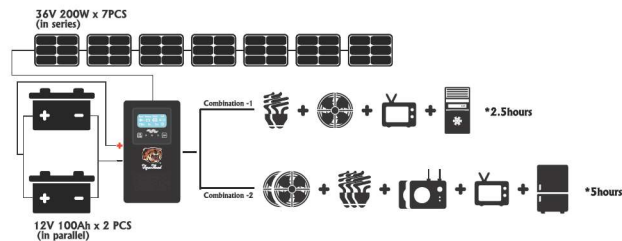


SDC 12V1.5KVA	
Model	SDC 12V1.5KVA
POWER	1500VA
Charging Current	15-30A
DC Voltage Input	12V
Inverter Output Voltage	110V/230V±3%
Output Waveform	Pure sine wave
Transfer Time	Automatic switching within 4ms
Overload Capacity	120%for 10min,150%for 1min
Protection Function	Short circuit protection, overload protection, over temperature protection,battery protection against reverse connection(reverse connection protection)

Electrical Appliances	Collocation of Inverter and Battery							
	SDC 12V1.5KVA Inverter + 12V 200Ah x 2 PCS Battery (in parallel)				DC 12V1.5KVA Inverter + 12V 200Ah x 4 PCS Battery (in parallel)			
	Battery Fully Charging Time	8h for 1PC		Battery Fully Charging Time	8h for 1PC		Group 2	Time
		Solar panel	36V 200W x 7PCS(n series)		Solar panel	36V 200W x 14PCS(n series)		
Time of Use Alone	Item	Time	Item	Time	Item	Time		
Incandescent Bulb	50h				100h			
CFL Light Bulbs	120h	✓✓	✓✓✓		240h	✓✓	✓✓✓	
Fan	160h	✓✓	✓✓✓		320h	✓✓	✓✓✓	
Radio	240h	✓✓	✓✓✓		480h	✓✓	✓✓✓	
Air Conditioner(1HP)	3h	✓	2.5h	5h	6h	✓	5h	
TV	12h		✓		24h		✓	
Computer	12h				24h			
Fridge	16h		✓		32h		✓	

SOLAR SERIES SDC 12V1.8KVA

INTRODUCTION

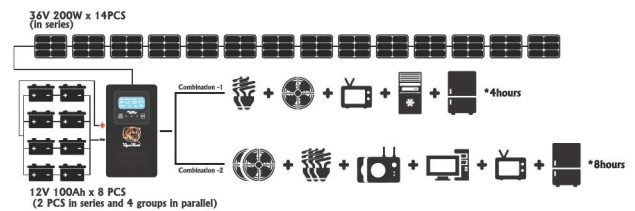


SDC 12V1.8KVA	
Model	SDC 12V1.8KVA
POWER	1800VA
Charging Current	15-30A
DC Voltage Input	12V
Inverter Output Voltage	110V/230V±3%
Output Waveform	Pure sine wave
Transfer Time	Automatic switching within 4ms
Overload Capacity	120%for 10min,150%for 1min
Protection Function	Short circuit protection, overload protection, over temperature protection,battery protection against reverse connection(reverse connection protection)

Electrical Appliances	Collocation of Inverter and Battery							
	SDC 12V1.8KVA Inverter + 12V 200Ah x 2 PCS Battery (in parallel)				DC 12V1.8KVA Inverter + 12V 200Ah x 4 PCS Battery (in parallel)			
	Battery Fully Charging Time	8h for 1PC		Battery Fully Charging Time	8h for 1PC		Group 2	Time
		Solar panel	36V 200W x 7PCS(n series)		Solar panel	36V 200W x 14PCS(n series)		
Time of Use Alone	Item	Time	Item	Time	Item	Time		
Incandescent Bulb	50h				100h			
CFL Light Bulbs	120h	✓✓	✓✓✓		240h	✓✓	✓✓✓	
Fan	160h	✓✓	✓✓✓		320h	✓✓	✓✓✓	
Radio	240h	✓✓	✓✓✓		480h	✓✓	✓✓✓	
Air Conditioner(1HP)	3h	✓	2.5h	5h	6h	✓	5h	
TV	12h	✓	✓		24h		✓	
Computer	12h				24h			
Fridge	16h		✓		32h		✓	

SOLAR SERIES SDC 24V2KVA

INTRODUCTION

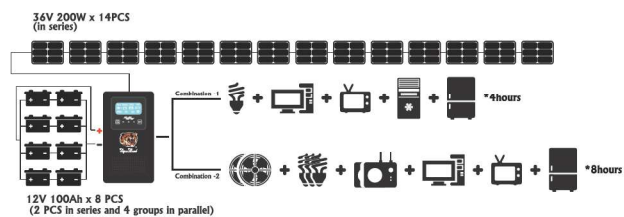


SDC 24V2KVA	
Model	SDC 12V1.8KVA
POWER	2000VA
Charging Current	15-30A
DC Voltage Input	24V
Inverter Output Voltage	110V/230V±3%
Output Waveform	Pure sine wave
Transfer Time	Automatic switching within 4ms
Overload Capacity	120%for 10min,150%for 1min
Protection Function	Short circuit protection, overload protection, over temperature protection,battery protection against reverse connection(reverse connection protection)

Electrical Appliances	Collocation of Inverter and Battery							
	SDC 24V2KVA Inverter + 12V 200Ah x 4 PCS Battery (2 PCS in series and 2 groups in parallel)				DC 24V2KVA Inverter + 12V 200Ah x 8 PCS Battery (2 PCS in series and 4 groups in parallel)			
	Battery Fully Charging Time	8h for 1PC		Battery Fully Charging Time	8h for 1PC		Group 2	Time
		Solar panel	36V 200W x 14PCS(n series)		Solar panel	36V 200W x 28PCS(n series)		
Time of Use Alone	Item	Time	Item	Time	Item	Time		
Incandescent Bulb	100h				200h			
CFL Light Bulbs	240h	✓✓	✓✓✓		480h	✓✓	✓✓✓	
Fan	320h	✓✓	✓✓✓		640h	✓✓	✓✓✓	
Radio	480h	✓✓	✓✓✓		960h	✓✓	✓✓✓	
Air Conditioner(1HP)	6h	✓	4h	8h	12h	✓	8h	
TV	24h	✓	✓		48h	✓	✓	
Computer	24h	x	✓		48h	✓	✓	
Fridge	32h	✓	✓		64h	✓	✓	

SOLAR SERIES SDC 24V2.5KVA

INTRODUCTION

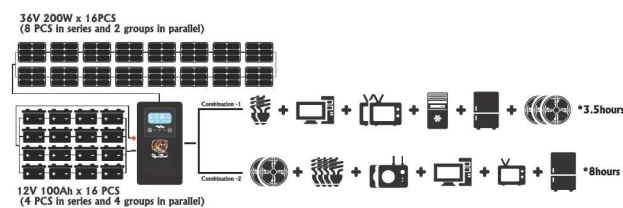


SDC 24V2.5KVA	
Model	SDC 24V2.5 KVA
POWER	2500VA
Charging Current	15-30A
DC Voltage Input	24V
Inverter Output Voltage	110V/230V±3%
Output Waveform	Pure sine wave
Transfer Time	Automatic switching within 4ms
Overload Capacity	120%for 10min,150%for 1min
Protection Function	Short circuit protection, overload protection, over temperature protection, battery protection against reverse connection(reverse connection protection)

Electrical Appliances	Collocation of Inverter and Battery													
	SDC 24V2.5KVA Inverter + 12V 200Ah x 4 PCS Battery (2 PCS in series and 2 groups in parallel)					DC 24V2.5KVA Inverter + 12V 200Ah x 8 PCS Battery (2 PCS in series and 4 groups in parallel)								
	Battery Fully Charging Time		8h for 1PC				Battery Fully Charging Time		8h for 1PC					
	Solar panel		36V 200W x 14PCS(in series)		Solar panel		36V 200W x 28PCS(in series)		Time of Use Alone		Item		Time	
Incandescent Bulb	100h					200h								
CFL Light Bulbs	240h	✓		✓✓		480h	✓		✓✓					
Fan	320h			✓✓		640h			✓✓					
Radio	480h		4h	✓✓	8h	960h		8h	✓✓					
Air Conditioner(1HP)	6h	✓				12h	✓							16h
TV	24h			✓		48h			✓					
Computer	24h	✓		✓		48h	✓		✓					
Fridge	32h	✓		✓		64h	✓		✓					

SOLAR SERIES SDC 48V3.5KVA

INTRODUCTION



SDC 48V3.5KVA	
Model	SDC 48V3.5 KVA
POWER	3500VA
Charging Current	15-30A
DC Voltage Input	48V
Inverter Output Voltage	220V±3%
Output Waveform	Pure sine wave
Transfer Time	Automatic switching within 4ms
Overload Capacity	120%for 10min,150%for 1min
Protection Function	Short circuit protection, overload protection, over temperature protection, battery protection against reverse connection(reverse connection protection)

Electrical Appliances	Collocation of Inverter and Battery									
	SDC 48V3.5KVA Inverter + 12V 200Ah x 16 PCS Battery (4 PCS in series and 4 groups in parallel)									
	Solar panel		36V 200W x 16PCS (8 PCS in series and 2 groups in parallel)							
	Battery Fully Charging Time		7h for 1PC							
Time of Use Alone		Group 1		Group 2		Item		Time		
Incandescent Bulb	400h									
CFL Light Bulbs	960h			✓✓				✓✓✓		
Fan	1280h			✓✓✓				✓✓		
Radio	1920h							✓✓		
Air Conditioner(1HP)	24h					14h				72h
TV	96h			✓✓				✓		
Computer	96h			✓				✓		
Fridge	128h			✓				✓		