

LEADING SERVICE
PROVIDER OF
POWER QUALITY

领先的电能质量服务商



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Aerospace Baykee has undertaken and accomplished the service in Nanjing Youth Olympic Games, Wuhan-Guangzhou high railway, Beijing-Shanghai high railway, Guangzhou Asian Games, ShangHai World Expo, GuangZhou TV tower, GuangZhou Baiyun Airport, YangJiang nuclear power station, C919 large aircraft project, Alibaba Shanghai IDC data center, Hong Kong-Zhuhai-Macao Bridge, China military weapons, as well as a series of hospital, bank communication areas and so on public projects in domestic China.

As a result of our high quality products and outstanding customer services, we have gained a global sales network, have office&branch in Pakistan, Dubai, Australia, partners in Kenya, Ghana, Mexico, Philippines, Vietnam.....

Aerospace Baykee based on aeronautics technology and quality, Committed to improve power quality and conditions to meet our customer' s need and satisfaction..

About us

Aerospace Baykee (Guangdong) Technology Co., Ltd.(Previous name Foshan Baykee New Energy Technology Incorporated Company)(hereinafter abbreviated as "Aerospace Baykee") who is a subordinate subsidiary of Beijing Aerospace Changfeng Co., Ltd. (stock code 600855). Beijing Aerospace Changfeng Co., Ltd. (abbreviated as "ASCF") is a high-tech corporation which based on the application of aeronautic research result. And it is a public company with a military enterprise background. The NO.2 research institute of China Aerospace science & industry corp. (CASIC) is the majority shareholder of ASCF.

The NO.2 research institute of China Aerospace science & industry corp. was founded in November 16, 1957, is our country's Sky Defense Research Institute, is China's most important air defense and anti-missile weapon equipment development and production base, China's space&sky defense industry leader in the development of the backbone of the National defense science and technology industries.

Aerospace Baykee is established in 2007, a professional manufacturer and exporter with R&D in improving power quality products like Uninterrupted Power Supply(UPS), EPS, inverters and new energy products etc. Headquarter in Foshan, the earliest cooperation in China power industry passed and approved by the ISO9001 & ISO14001, OHSMS 18001, CE, 3C, TLC and CQC quality standard. It has become one of the most famous power source manufacture in China.

Our products range: Online UPS (1KVA-800KVA), modular UPS (10KVA~2.4MVA), Solar inverters & Solar PV energy solutions (1-400KW), EPS(Emergency power supply) (500W-800KW), Lead-acid maintenance-free battery (7Ah-2000Ah, 12V & 2V series), APF(active power filter) ,Data center solutions.

BAYKEE — LEADING SERVICE PROVIDER OF POWER QUALITY



ECONOMIC GLOBALIZATION

SERVICES CAN CROSS TIME ZONES, CROSS REGIONS, CROSS CULTURE

BAYKEE pursuing the integration of "1 + 3" service mode, production base have entered into the advanced management system, five major areas of service centers and perfect service network covering major cities and counties nationwide all-weather inspecting all products working information, committed to customers to provide high quality pre-sale, on sale and after-sales and related technique training to ensure 100% customer satisfaction is our constant pursuit of service.



Network qualifications:

- The national grid network provider
- The central government procurement qualified suppliers
- China Huadian Corporation
- Petrochina global engineering company for the city library
- The army "military materials procurement network"
- Wanda group co., LTD
- State general administration of press and publication, radio and television
- Shenhua group co., LTD
- China petroleum and chemical group co., LTD

The Chinese people's liberation army general staff
China aerospace science and industry group co., LTD
Beijing municipal government procurement suppliers

Global market distribution:

- ★ Mainland China market
- ★ Southeast Asian market
- ★ The African market
- ★ Central American market

BAYKEE CERTIFICATE

Quality certifications We never compromise to our quality!

A state-level Hi-tech enterprise National outstanding energy-saving enterprise Famous brand of Guangdong province Top 10 China customer satisfaction brand ISO9001:2008 and ISO 14001:2004 certificate, TLC and CQC is a proof to our outstanding quality:



BKH - M series

Modular UPS system



BKH - M Series Modular UPS Design Concept

Baykee is the only one of UPS industry company who have both hang straight generatrix and UPS battery numbers adjustable technology, integration of the latest nine advanced technology over the world. According today's actual power needs to design the utmost value, the most flexible and reliable BKH-M series modularUPS product to meet the increasing sensitively market return and customer's investment on energy consumption cost, remote management, and performance requirements.

Professional Design To Enhance System Reliability

- N+ x parallel redundant modular design: System consist of monitoring modules, power modules, bypass module, power distribution units, and other components, its simple, stable and reliable. Power module using n + x parallel redundant design, when the redundancy module number >1, UPS systems are available at 99.99%. MTBF (mean time between failures) can up to more than 1 million hours.
- Virtual impedance parallel connection technology: to ensure each power module paralleled working stable and reliable
- "No master-slave distributed logic control": each power module is an independent control system, the whole unit without any single point of failure.
- Two inverter model can work simultaneously: rectifier and battery inverter can work simultaneously without Derating , to avoid when voltage low, system switch to inverter mode, thus to external battery discharge time.

Energy Saving Design & Green power

- APFC rectifier technology: input current power factor almost equal to 1, but also harmonic THD<3%, to avoid later harmonic treatment extra costs.
- Optimization of three-level inverter technology: reducing IGBT switching losses harmonic current and inductance losses, Dramatically reduce the energy consumption.
- Smart fan cooling system: adjustable-speed smart fan, the less loads, the lower speed for the fans, more efficiency and energy-saving.

Intelligent Design, All Digital Control

- High efficient DSP+CPLD operation, control management system: using DSP digital processor, output high accurate stabilized precision voltage , without potentiometers, turn analog control integration into digital control, to provides more flexibility and stability, ensure the consistency and reliability of the product.
- Smart monitoring: provide multiple monitoring interfaces, configure single or multiple computer monitoring software, powerful network management to meet monitoring requirements.
- Intelligent battery management: wide input range, reduce the switch frequency of battery mode to protect the battery bank. Four-stage charging to activate and prolong battery life span up to 30%. Intelligent battery management, annual maintenance, pre-warning.

Safe and Convenient Maintenance Design

- LCD touch screen display: monitoring module, power module, bypass module working status and fault information are clear at a glance.
- Hot-swappable technology: power module, monitoring module and bypass module can be replaced online no break, no need sets on interface for hot plugging, convenient installation, transportation, expansion and maintenance.

BKH-M series

Muti- Type Modular Online UPS



Application

Small and medium-sized data/IT room,banks,securities,communication network center, automatic production line and its control system,Building lighting, road lighting, electrical, industrial and mining enterprises.

BKH - M1 Series Modular Ups

BKH - M1 series modular UPS power range 10 KVA - 120 KVA and can realize 1P/1P(1 phase input and output), 3P/1P(3 phase input and 1 phase output), 3P/3P(3 phase input and 3 phase output), 1P/3P(1 phase input and 3 phase output) four types, this series adopts international advanced IGBT technology, combined with the concept of green, environmental protection, energy saving social responsibility and international first-class hot-swappable independent innovation technology and design, technical indicators have reached the A class, can provide user key system with flexibility, high reliability and practicability of uninterrupted power source, the ratio of the best power conversion equipment is suitable for the user application requirements.

BKH-M1 Product Advantages

100% grid power environment availability;

- Provides A class power quality and response time :0 Ms;
- Supporting 3/1、 3/3、 1/1、 1/3 grid system , provides the best power protection for loads
- The comprehensive loads adaptability, can work with motors/inductive loads, capacitive alone,resistance and mixed loads;
- Double/dual power supply system, each unit equip with standard input, output and manual maintenance bypass switches;
- Standard RS232, RS485, dry contact signal interface, SNMP remote communication ports;
- Sustainable 10 min for 125% load, strong output overload ability, safeguard your loads;
- Battery cold start, minimum 1:1 to generators;
- System inputs and outputs built-in C-level lightning protection device;
- Modular dust-proof design, IP30 can be used in harsh environment;

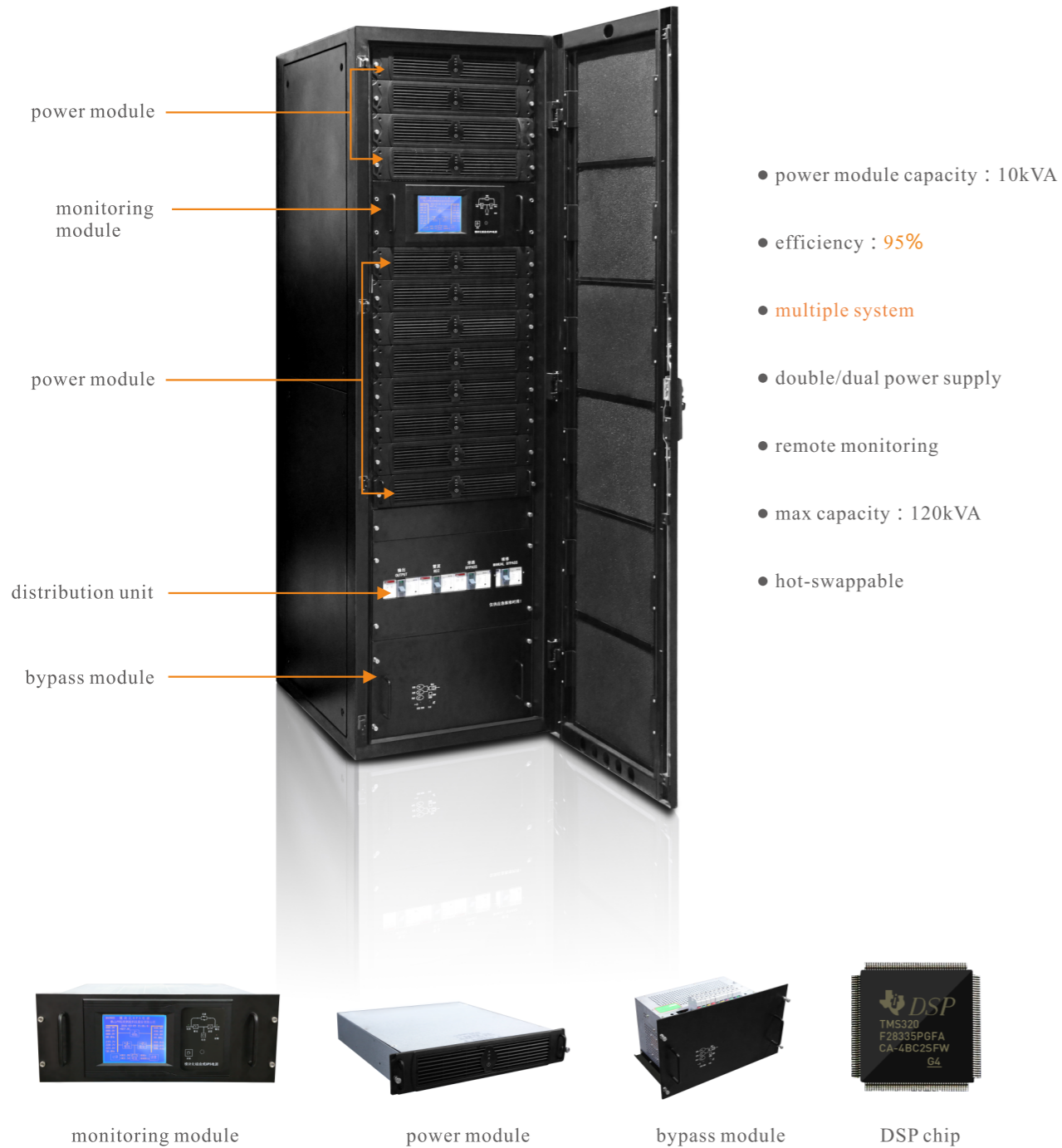
High efficiency and energy saving, To Improve energy efficiency;

- Efficiency up to 95%, input PF=1 and THDi<3%;
- 100% with unbalanced loads capacity: 0.5%, THDU<1.2%;
- All circuit boards are three proofing:anti- moisture, anti-alkali, anti-chemical corrosion volatile gases, and other hazards;

Easy Operation and convenient maintenance

- The man-machine interactive touch screen display, data monitoring, parameter easy setting;
- Positive maintenance:using up and down inlet wires, convenient management,comes with casters, on-demand mobile;
- Power modules, monitoring modules are hot-swappable online, easy maintenance;
- Built-in charging power module, three-stage fast charging, the charging current adjustable according to battery capacity.

BKH-M1 Series Main Structure



BKH-M1 series specifications

Model (full configured) BKH-M1A	BKH-M1A-G30K	BKH-M1A-G60K	BKH-M1A-G100K	BKH-M1A-G120K
Capacity	10kVA-30kVA	10kVA-60kVA	10kVA-100kVA	10kVA-120kVA
Power module capacity	10KVA			
Power module weight	14KG			
Power module number(MAX)	3	6	10	12
Physical parameter				
Power module size (W*D*H)	19"*509mm*2U			
Power module weight	14KG/unit			
Cabinet size (W*D*H)mm	600*800*1600		600*800*2000	
Cabinet weight (KG)	180	197	245	260
Mains input(AC)				
Phase	3 phase 4 wires/single phase 2 wires+G			
*Voltage range	291~492V (line-line) full load			
Frequency range	30Hz~80Hz			
THDi	<3%			
Power factor	0.995			
Bypass range	-10%~10% (can customized -10%~-30%, +10%~+20%)			
Battery				
Connection type	positive and negative battery supply			
Rated voltage	+/- 384VDC (+/-32*12V series)			
Battery number	64pcs/set			
Charging current	20% * system power(battery capacity)			
Output(inverter)				
Output voltage	3 phase 380VAC/1 phase 220VAC +G			
Voltage regulation	< +/-1%			
Phase lock range	50Hz/60Hz +/-5Hz;(self frequency 50Hz/60Hz+/-0.01Hz)			
Output frequency	50Hz/60Hz+/-0.01Hz (if phase locked then mains frequency)			
Power factor	0.9			
Crest factor	3 : 1			
*THDu	THD<1.0% (linear load), THD<3%(non-linear load)			
*Three phase voltage unbalance degree	balance load: 0.2% 100% unbalance load : 0.5%			
Dynamic voltage transient range	<2%			
*Transient Recovery Time	0ms			
Three phase voltage deviation	mains:0.1; battery :0.1			
Overload capacity	125% for 10min; 150% for 1min; >150% for 200ms (linear load)			
System efficiency	> 94%			
Environment indicator				
Noise	≤60dB @100%load, cooling fan adopt intelligent speed control			
Display	touch screen LCD+LED			
Interface	standard: RS232, RS485, dry contacts, SNMP card optional			
Operation temperature	temperature: -10C ~+40C; humidity 0%~98%; storage temperature -25C~+75C Altitude(m): <1000, 1000m-2000m above every 100m reduce 1%			
IP class	Ip30(Removable dust filter)			

BKH-M series

Array-Type Modular Online UPS



Application

Small and medium-sized data/IT room, banks, securities, communication network center, automatic production line and its control system, Building lighting, road lighting, electrical, industrial and mining enterprises.

BKH-M2/M3/M4/M5 Series Modular Ups

BAYKEE BKH series UPS power range 20kVA-600kVA, can according to customer loads need for flexible configuration, support 4 units in parallel, has 2.4MVA of production capacity, world leading full digital power products, concentrated the latest technology, all index are reached modular UPS standard YD/T2165-2010 of I class standard, Its high competitive, which is your reliable UPS for all industry and best choice.

BKH modular series is BAYKEE featured highly reliable modular online UPS, efficiency up to 96%, reach the international level UPS energy saving performance. In addition to adhering to the traditional modular UPS Technology advantages, this product particularly in device control, system monitoring software has been greatly improved: with double DSP+ double CPLD, support no bypass module operation, high accuracy of output voltage, flexibility and stability, and no single point of failure.

BKH-M2/M3/M4/M5 Series Advantages:

100% grid environment availability

- Provides A class power quality and response time: 0 Ms;
- True on-line double conversion technology support N + x redundancy, provide the best power quality protection for loads;
- Comprehensive loads adaptability: motors/inductive, capacitive, resistive and individually mixed loads;
- Single or Dual power supply system, each unit equipped with inputs, outputs and manual maintenance bypass switches;
- Standard RS232, RS485, dry contact signal interface, SNMP remote communication port;
- 30-50 pcs battery numbers adjustable range, reduce the frequency of discharge, to protect the battery capacity;
- Sustainable 10min for 125% load, no break for the output.
- Battery cold starting, minimum 1:1 to generators;
- System inputs and outputs built-in lightning protection device for C-class;
- Modular dust-proof design, IP30 can be used in harsh environments.

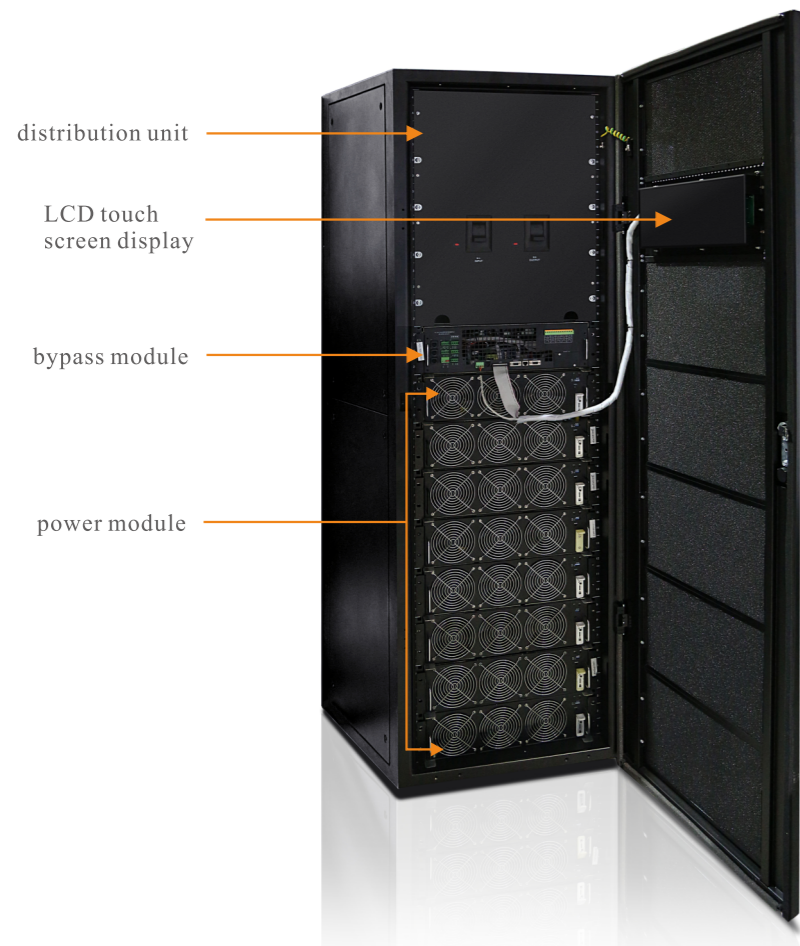
High efficiency and energy saving, energy efficiency

- Efficiency up to 96%, input power factor ≈ 1 , THDi $< 3\%$; output voltage accuracy: $\pm 1\%$;
- 100% with unbalanced loads capability $< 0.3\%$, output THDu $\leq 2\%$;
- All circuit boards are three proofing: anti-moisture, anti-alkali, anti-chemical corrosion volatile gases, and other hazards.

Easy operation and convenient maintenance

- LCD touch-screen LCD, data monitoring, easy for parameter setting operation;
- Front maintenance, using up and down inlet wires, convenient management, comes with casters, easy to move;
- Power module, monitoring module, bypass modules are hot-swappable online and easy to maintain;
- Intelligent battery management, constant voltage charging floating charging and four-stage charging, effectively extending 30% of battery life span
- Front-mounted filters to keep UPS inside clean

BKH-M2/M3/M4/M5 Series Main Structure



- power module capacity : 20kVA/30kVA/40kVA/50kVA
- efficiency : 96%
- support working without bypass module
- Battery flexible configuration 30-50pcs
- remote monitoring
- max capacity : 600kVA
- can parallel 4 units



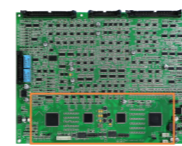
LCD touch screen display



bypass module



power module



double DSP +double CPLD

BKH-M2 Series main specifications

Model	BKH-M2A-T60K	BKH-M2A-T100K	BKH-M2A-T160K	BKH-M2A-T200K
Capacity	20kVA-60kVA	20kVA-100kVA	20kVA-160kVA	20kVA-200kVA
Power module capacity	20kVA			
Module size(W*D*H)	19"*690mm*3U			
Module weight	28KG/unit			
Mains input(AC)				
Phase	3 phase +N+PE			
*Voltage range	291~492 V(line-line) full load; 200V~291V linearly decrease			
Frequency range	35Hz~70Hz			
THDi	<3% (full linear load)			
Power factor	0.995			
Bypass range	-10%~10% (can customized -10%~-30%, +10%~+20%)			
Battery				
Connection type	positive series and negative series battery			
Rated voltage	+/- 240VDC (positive and negative each 20pcs*12V series), can customized			
*Battery numbers	40pcs/set (can customize 30~50pcs/set optional)			
Charging current	20% system power (battery capacity)			
Output /inverter				
Output voltage	380VAC 3 phase 4 wires+PE			
*Voltage regulation	<±1%			
Phase lock range	50Hz/60Hz+/-5Hz(self frequency 50Hz/60Hz+/-0.01Hz)			
Output frequency	50Hz/60Hz+/-0.01(turn into mains frequency if phase locked)			
*Power factor	1			
Crest factor	3 : 1			
*THDu	THD<2.0% (linear load), THD<3%(non-linear load)			
*Three phase voltage unbalance degree	balance load: 0.5% 100% unbalance load : 1%			
Dynamic voltage transient range	< 3%			
Transient Recovery Time	0ms			
Three phase voltage deviation	mains:0.4; battery :0.3			
Transfer time	mains to battery: 0ms; inverter to bypass: 0ms			
Overload capacity	125% for 10min; 150% for 1min; >150% for 200ms (linear load)			
*System efficiency	≥96%			
Environment index				
Noise	≤60dB @100%load, cooling fan adopt intelligent speed control			
Display	touch screen LCD+LED			
Interface	standard: RS232, RS485, dry contacts, SNMP card optional			
Operation temperature	temperature: -10C ~+40C; humidity 0%~98%; storage temperature -25C~+75C Altitude(m): <1000, 1000m-2000m above every 100m reduce 1%			
IP class	Ip30(Removable dust filter)			
Physical specifications				
Cabinet size (W*D*H)	600*800*1250	600*1100*2000	600*1100*2000	
Cabinet weight KG	130	295	305	310
Modules No.(Max)	3	5	8	10

NOTES: subject to change without further notice!

BKH-M3 Series main specifications

Model	BKH-M3A-T90K	BKH-M3A-T150K	BKH-M3A-T240K	BKH-M3-T300K
Capacity	30kVA-90kVA	30kVA-150kVA	30kVA-240kVA	30kVA-300kVA
Power module capacity	30kVA			
Module size(W*D*H)	19"*690mm*3U			
Module weight	36KG/unit			
Mains input(AC)				
Phase	3 phase +N+PE			
*Voltage range	291~492 V(line-line) full load; 200V~291V linearly decrease			
Frequency range	35Hz~70Hz			
THDi	<3% (full linear load)			
Power factor	0.995			
Bypass range	-10%~10% (can customized -10%~-30%, +10%~+20%)			
Battery				
Connection type	positive series and negative series battery			
Rated voltage	+/- 240VDC (positive and negative each 20pcs*12V series), can customized			
*Battery numbers	40pcs/set (can customize 30~50pcs/set optional)			
Charging current	20% system power (battery capacity)			
Output /inverter				
Output voltage	380VAC 3 phase 4 wires+PE			
*Voltage regulation	< ±1%			
Phase lock range	50Hz/60Hz±5Hz(self frequency 50Hz/60Hz±0.01Hz)			
Output frequency	50Hz/60Hz±0.01(turn into mains frequency if phase locked)			
*Power factor	1			
Crest factor	3 : 1			
*THDu	THD<2.0% (linear load), THD<3%(non-linear load)			
*Three phase voltage unbalance degree	balance load: 0.5% 100% unbalance load : 1%			
Dynamic voltage transient range	< 3%			
Transient Recovery Time	0ms			
Three phase voltage deviation	mains:0.4; battery :0.3			
Transfer time	mains to battery: 0ms; inverter to bypass: 0ms			
Overload capacity	125% for 10min: 150% for 1min; >150% for 200ms (linear load)			
*System efficiency	>96%			
Environment index				
Noise	≤60dB @100%load, cooling fan adopt intelligent speed control			
Display	touch screen LCD+LED			
Interface	standard: RS232, RS485, dry contacts, SNMP card optional			
Operation temperature	temperature: -10C ~+40C; humidity 0%~98%; storage temperature -25C~+75C Altitude(m): <1000, 1000m-2000m above every 100m reduce 1%			
IP class	Ip30(Removable dust filter)			
Physical specifications				
Cabinet size (W*D*H)	600*800*1250	600*1100*2000	600*1100*2000	
Cabinet weight KG	130	295	305	310
Modules No.(Max)	3	5	8	10

NOTES: subject to change without further notice!

BKH-M4 series main specifications

Model	BKH-M4A-T120K	BKH-M4A-T200K	BKH-M4A-T320K	BKH-M4A-T520K
Capacity	40kVA-120kVA	40kVA-200kVA	40kVA-320kVA	40kVA-520kVA
Power module capacity	40kVA			
Module size(W*D*H)	19"*690mm*3U			
Module weight	39KG/unit			
Mains input(AC)				
Phase	3 phase +N+PE			
*Voltage range	291~492 V(line-line) full load; 200V~291V linearly decrease			
Frequency range	35Hz~70Hz			
THDi	<3% (full linear load)			
Power factor	0.995			
Bypass range	-10%~10% (can customized -10%~-30%, +10%~+20%)			
Battery				
Connection type	positive series and negative series battery			
Rated voltage	+/- 240VDC (positive and negative each 20pcs*12V series), can customized			
*Battery numbers	40pcs/set (can customize 30~50pcs/set optional)			
Charging current	20% system power (battery capacity)			
Output /inverter				
Output voltage	380VAC 3 phase 4 wires+PE			
*Voltage regulation	< ±1%			
Phase lock range	50Hz/60Hz±5Hz(self frequency 50Hz/60Hz±0.01Hz)			
Output frequency	50Hz/60Hz±0.01(turn into mains frequency if phase locked)			
*Power factor	1			
Crest factor	3 : 1			
*THDu	THD<2.0% (linear load), THD<3%(non-linear load)			
*Three phase voltage unbalance degree	balance load: 0.5% 100% unbalance load : 1%			
Dynamic voltage transient range	< 3%			
Transient Recovery Time	0ms			
Three phase voltage deviation	mains:0.4; battery :0.3			
Transfer time	mains to battery: 0ms; inverter to bypass: 0ms			
Overload capacity	125% for 10min: 150% for 1min; >150% for 200ms (linear load)			
*System efficiency	>96%			
Environment index				
Noise	≤60dB @100%load, cooling fan adopt intelligent speed control			
Display	touch screen LCD+LED			
Interface	standard: RS232, RS485, dry contacts, SNMP card optional			
Operation temperature	temperature: -10C ~+40C; humidity 0%~98%; storage temperature -25C~+75C Altitude(m): <1000, 1000m-2000m above every 100m reduce 1%			
IP class	Ip30(Removable dust filter)			
Physical specifications				
Cabinet size (W*D*H)	600*800*1250	600*1100*2000	600*1100*2000	1200*1100*2000
Cabinet weight (KG)	130	295	305	578
Modules No.(Max)	3	5	8	13

NOTES: subject to change without further notice!

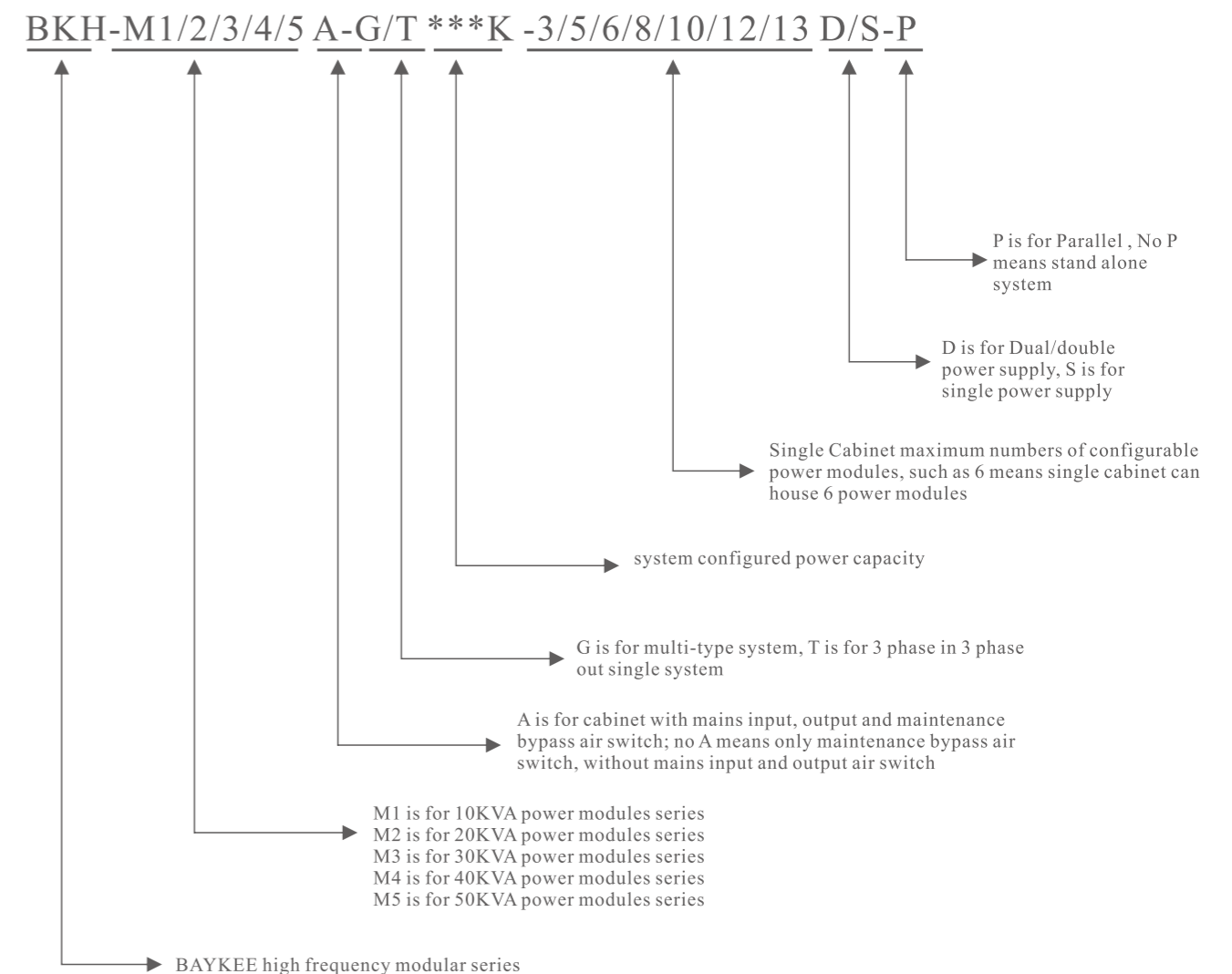
BKH-M5 series main specifications

Model	BKH-M5A-T200K	BKH-M5A-T300K	BKH-M5A-T500K	BKH-M5A-T600K
Capacity	50kVA-200kVA	50kVA-300kVA	50kVA-500kVA	50kVA-600kVA
Power module capacity	50kVA			
Module size(W*D*H)	19**690mm*3U			
Module weight	39KG/unit			
Mains input(AC)				
Phase	3 phase +N+PE			
*Voltage range	291~492 V(line-line) full load; 200V~291V linearly decrease			
Frequency range	35Hz~70Hz			
THDi	< 3% (full linear load)			
Power factor	0.995			
Bypass range	-10%~10% (can customized -10%~30%, +10%~+20%)			
Battery				
Connection type	positive series and negative series battery			
Rated voltage	+/- 240VDC (positive and negative each 20pcs*12V series), can customized			
*Battery numbers	40pcs/set (can customize 30~50pcs/set optional)			
Charging current	20% system power (battery capacity)			
Output /inverter				
Output voltage	380VAC 3 phase 4 wires+PE			
*Voltage regulation	< ±1%			
Phase lock range	50Hz/60Hz±5Hz(self frequency 50Hz/60Hz±0.01Hz)			
Output frequency	50Hz/60Hz±0.01(turn into mains frequency if phase locked)			
*Power factor	0.9			
Crest factor	3 : 1			
*THDu	THD<2.0% (linear load), THD<3%(non-linear load)			
*Three phase voltage unbalance degree	balance load: 0.5% 100% unbalance load : 1%			
Dynamic voltage transient range	< 3%			
Transient Recovery Time	0ms			
Three phase voltage deviation	mains:0.4; battery :0.3			
Transfer time	mains to battery: 0ms; inverter to bypass: 0ms			
Overload capacity	125% for 10min; 150% for 1min; >150% for 200ms (linear load)			
*System efficiency	>95%			
Environment index				
Noise	≤70dB @100%load, cooling fan adopt intelligent speed control			
Display	touch screen LCD+LED			
Interface	standard: RS232, RS485, dry contacts, SNMP card optional			
Operation temperature	temperature: -10C ~+40C; humidity 0%~98%; storage temperature -25C~+75C Altitude(m): <1000, 1000m-2000m above every 100m reduce 1%			
IP class	Ip30(Removable dust filter)			
Physical specifications				
Cabinet size (W*D*H)	600*1100*2000	600*1100*2000	1200*1100*2000	
Cabinet weight KG	295	305	578	600
Modules No.(Max)	4	6	10	12

NOTES: subject to change without further notice!

PURCHASING GUIDE

1、Modular Ups Product Model Illustration



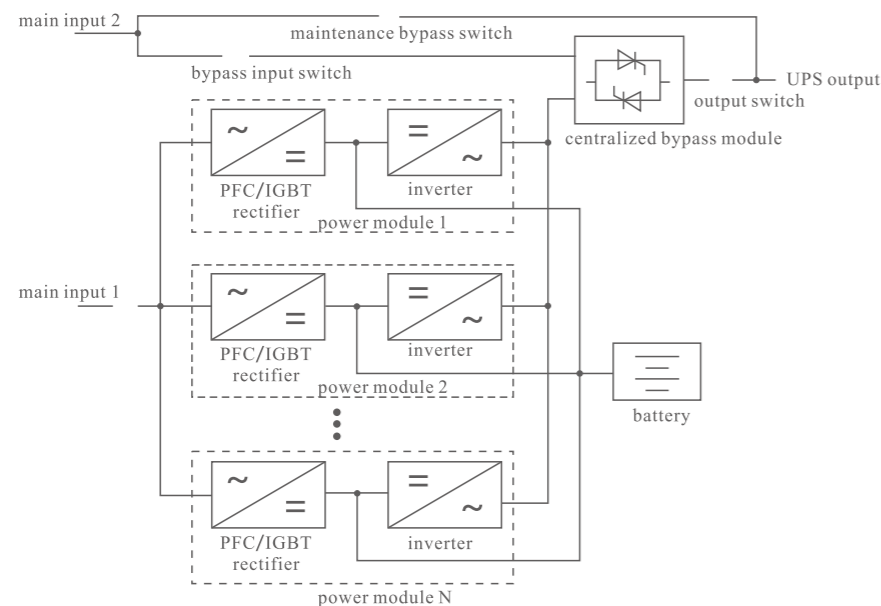
For example:

Customers need a BAYKEE modular UPS configuration 3* 40K power modules, maximum capacity up to 200KVA cabinet can house 5 modules, 3phase in and 3 phase out single-supply system, then UPS model number is: BKH-M4A-T120K-5S

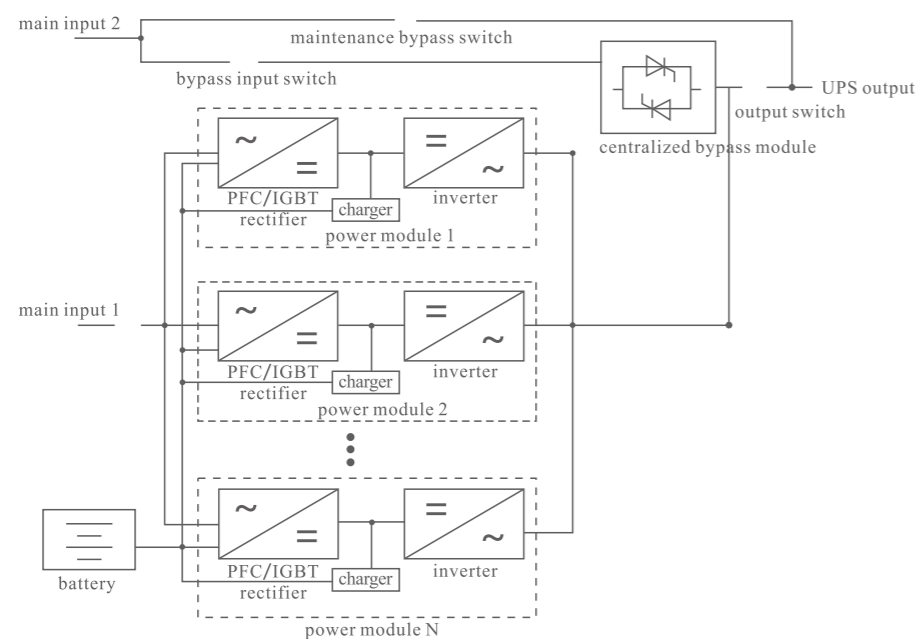
2、 Difference Between M1 Series And M2/M3/M4/M5 Series

M1 series and M2/M3/M4/M5 series different circuit topologies, the schematic diagram is as follows:

M1 Series Working Principle



M2/M3/M4/M5 Series Working Principle



M1 Series And M2/m3/m4/m5 Series Difference On Operation And Maintenance As Following:

Type	Connection mode	Mains input	Battery No.	Installation & maintenance	Parallel	Max capacity
M1 series	Multiple mode (1P/1P, 3P/1P, 3P/3P, 1P/3P)	Double/ dual mains input	64pcs (unadjustable)	Monitoring modules, power modules can hot-swappable	...	120KVA
M2/M3/M4/M5 series	3P/3P	single power input optional dual input	30-50 pcs adjustable	Bypass modules and power modules both can hot-swappable	Parallel in 4 units	200/300/520/600KVA

3、 Purchase Tips

Before you buy a UPS, please confirm the following question marks:

- ① To make sure loads characteristics, Is resistance capacitive loads or inductive loads, or both?
- ② Total loads capacity how much KW?
- ③ Will consider to increase loads for future expansion?
- ④ How long battery backup time?

Procurement according to the loads power capacity instead of an UPS capacity to buy batteries, if latter heavy loads need to be added, you could consider using the M-series modular UPS, as long as configured the cabinet, you can do online expansion conveniently, You'd better choose the suitable battery capacity and battery cables according to real loads, so that when increase the loads, will no trouble to replace the battery and battery cables again. Fans, motors and other inductive loads should follow more than 3 times of rated power to configure the UPS capacity.

If inductive load with frequency converter can according to 1:1 configuration, when purchase UPS have to figure out UPS power factor, the higher power factor, the more strong for UPS load capability, $KW = \text{power factor} * KVA$, UPS should not be long-term full load running, Generally, UPS work with loads 60%-80% capacity is the ideal solution, module UPS can prepare 1-2 power modules as redundant, so that can greatly increased system's reliability. As for installation if space limited, make sure to measure and arrangements in advance, it's necessary to consider the maintenance space for UPS, batteries etc.

4、 Notes

Before installation, please carefully read the installation and operating manuals, If UPS installed in a building, be sure to consider the floor load-bearing, and consider the weight of the battery as well as UPS, if necessary, the floor must be reinforced. Due to modular high frequency UPS input current harmonic is small, output standard sine wave green power, you do not have to add a transformer on UPS, such as forcibly installed will greatly reduce the efficiency of the system. As for no blackout for a long-term, you can manually switch to battery discharging in order to external battery life span and find if there have problem for battery bank.

FM Series Battery



Applications:

- UPS
- Telecom Systems
- Solar Systems
- Power Station
- Emergency Power System

Brief

Baykee FM series are designed for general-purpose applications, such as UPS, telecom, and electrical utilities. With 10 years design life, the batteries comply to the most popular international standards, such as IEC60896-21/22, BS6290-4, Eurobat Guide.

The battery container and cover are available both in V0 class flame retardant ABS or HBO ABS plastics. With more than 15 years of production experience, Baykee FM series of VRLA batteries are recognized as the most reliable and high quality battery system in the industry.

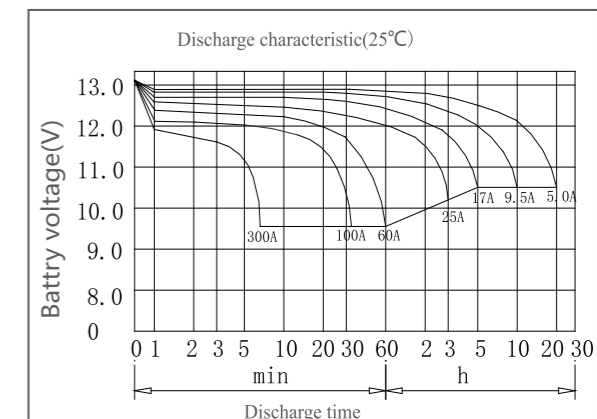
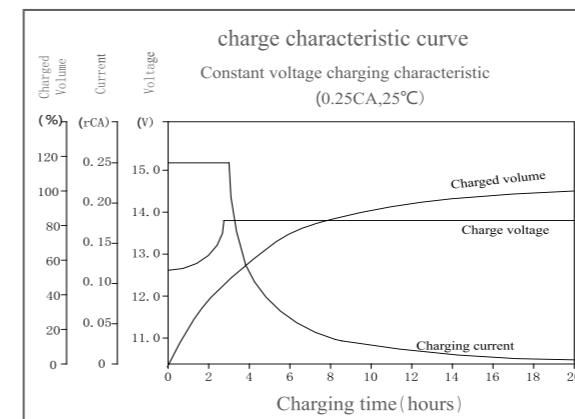
You can expect our batteries meet with the standards JIS, DIN, IEC60986-21/22 & BS6290-4. We have obtained ISO9001 & ISO14001 certification. We have obtained UL approval (MH25860) for all types of batteries. We have obtained CE approval for all types of batteries. All these render our batteries to be compatible with requirements of world-level equipments.

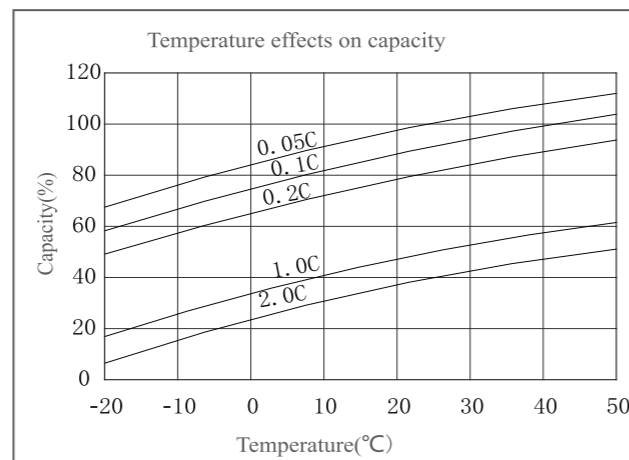
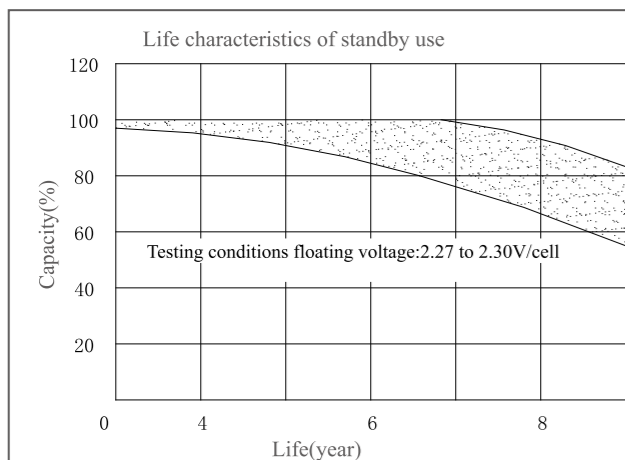
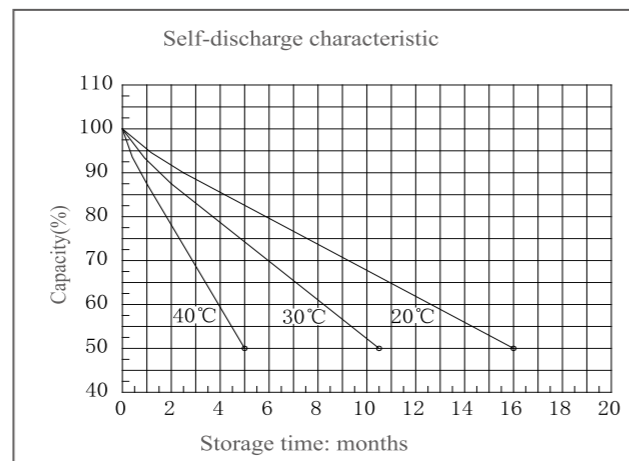
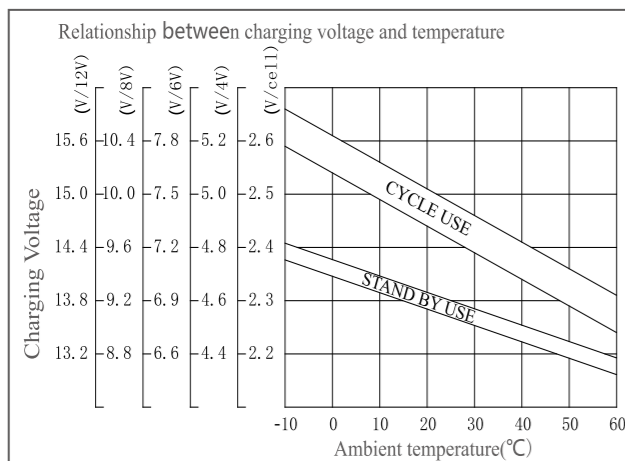
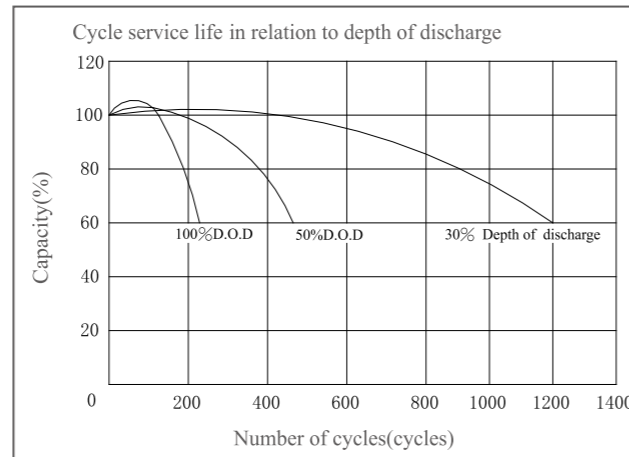
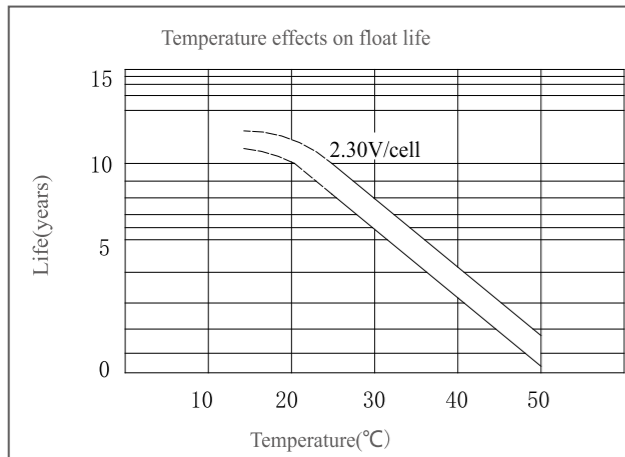
Features

- Environmentally friendly.
- High Reliability and Good Quality.
- Lower internal Resistance.
- High Power Density.
- Long Service Life, in Float and Cyclic.
- International Standard, JIS and DIN.
- α -EV technology.
- Thick pasted plates with high quality.
- lead-tin-calcium alloy grids for long service life.

Specifications

Model	Voltage	Capacity (Ah)	Size/Weight (mm/Kg[(±5%)])				
	(V)		L	W	H	Total H	Weight
CP1270M	12	7	151	65	94	100	2.2
Cp12120	12	12	151	98	95	101	3.67
CP12170E-X	12	17	181	77	167	167	5.3
CP12240E-X	12	24	166	175	125	125	7.6
CP12400F-X	12	40	197.5	165.5	170	170	12.8
CP12650F-X	12	65	350	167	179	179	20.4
6FM100E-X	12	100	330	171	214	220	28.5
6FM120E-X	12	120	410	176	227	227	33.5
6FM150M-X	12	150	482	170	240	240	42.5
6FM200E-X	12	200	522	238	218	223	59.1





Battery Cabinet/battery Box

Model	Installation Size (L*W*H) mm	Battery NO.	Weight
C-1	435x210x270	17AH/24AH/38AH 5/3/2pcs 65AH/100AH 1pcs	3kg
C-2	470x390x310	17AH/24AH/38AH 10/6/4pcs 65AH/100AH 2pcs	7kg
C-3	585x450x310	17AH/24AH/38AH 14/8/6pcs 65AH/100AH 3pcs	9kg
C-4	470x390x600	17AH/24AH/38AH 20/12/8pcs 65AH/100AH 4pcs	13kg
C-6	585x450x615	17AH/24AH/38AH 28/16/12pcs 65AH/100AH 6pcs	18kg
C-8	780x450x615	17AH/24AH/38AH 44/28/20pcs 65AH/100AH 8pcs	21kg
C-10	950x450x615	17AH/24AH/38AH 44/28/20pcs 65AH/100AH 10pcs	24kg
C-12	780x450x910	24AH/38AH 30/24pcs 65AH/100AH 12pcs	32kg
C-16	780x470x1190	24AH/38AH 40/32pcs 65AH/100AH 16pcs	45kg
C-20	950x470x1190	24AH/38AH 56/40pcs 65AH/100AH 20pcs	50kg
C-24	1150x470x1190	65AH/100AH 24pcs	57kg
C-32	780x880x1190	65AH/100AH 32pcs	95kg
C-40	950x880x1190	65AH/100AH 10pcs	105kg
C-150A32P	820*1070*1480	150AH 32pcs	150kg
C-150A16P	770*580*1390	150AH 16pcs	60kg
C-200A32P	1120*1190*1480	200AH 32pcs	230kg
C-200A16P	1120*620*1480	200AH 16pcs	120kg