

R Series Lithium UPS (1-3kVA)

Product Introduction



R-series lithium UPS (1~3kVA) is an online double-conversion UPS, ideal for small-scale scenarios. It eliminates grid issues, supports rack-mount installation, and operates at up to 96% efficiency. The compact design and high power density, along with R-series lithium battery backup, save installation space. It supports automatic start-up and is suitable for unmanned sites. Optional intelligent cards enable comprehensive UPS status monitoring.

Application

- Small and medium-sized enterprises, large enterprise branches, and bank branches with small-scale data centers.
- AC power supply for networks, communication systems, and automated control systems.
- AC power supply for precision instruments and equipment.

Features and Values

Green

- Under dual conversion mode, efficiency reaches up to 96%, highly efficient and energy-saving.
- In ECO mode, efficiency reaches up to 99%, providing economic and reliable performance.

Reliability

- Ultra-wide voltage input range, easily copes with harsh electricity environments.
- Advanced DSP control technology, with self-fault diagnosis and processing capabilities.
- Independent air duct design, ensuring more reliable overall operation.
- Long-life lithium iron phosphate battery design, with a service life of up to 10 years, no need to replace batteries.

Safety

- Optimized grid adaptability, perfect compatibility with generators.
- Comprehensive warning and protection functions, automatic start-up detection, ensuring equipment safety.

Minimalist

- Automatic mains start-up, supports unmanned operation.
- Intelligent screen displays parameters, providing clear equipment status.
- Compact size, flexible installation, effectively saving installation space.
- Digital control, ultra-long endurance, supports low-current discharge.

Technical Parameters

Model		R1K-Li	R1KS-Li	R2K-Li	R2KS-Li	R3K-Li	R3KS-Li
Capacity kVA/W		1kVA/900W		2kVA/1800W		3kVA/2700W	
Topology		Double Conversion Online UPS					
Phase		Single Phase Input Single Phase Output					
Mains Input	Wiring	L/N+PE					
	Rated Voltage	220/230/240VAC					
	Voltage Range	90~300VAC					
	Frequency Range	40Hz~70Hz					
	Input Power Factor	≥ 0.99					
AC Output	Wiring	L/N+PE					
	Output Voltage	220/230/240VAC					
	Voltage Regulation	±1%					
	Output Frequency	50/60±4Hz(Sync Mode) / 50/60Hz±0.1%(Free Run)					
	Waveform	Sine Wave					
	Distortion (THDV%)	<1%(Linear Load)					
		<6%(None-Linear Load)					
	Over load capability	1Min@105%~125%Rated Load 30Sec.@125%~150%Rated Load 0.5Sec.@>150%Rated Load					
Battery & Charger	Rated Battery Voltage	51.2VDC	51.2VDC External	51.2VDC	51.2VDC External	51.2VDC	51.2VDC External
	Battery Capacity	1000WH	External	1000WH	External	1000WH	External
	Backup Time	>120mins @ Half Load	Battery Depends	>60mins @ Half Load	Battery Depends	>30mins @ Half Load	EBattery Depends
	Charging Current	4A (standard) /10A (Optional)					
Physical	Chassis Style	RACK					
	Rack Dimension	1K: 438x44(2U)X400MM 1KS: 438x44(2U)X360MM		2K: 438x88(2U)X400MM 2KS:438x88(2U)X360MM		3K: 438x88(2U)X500MM 3KS:438x88(2U)X360MM	
	Weight	18.5kg	8.5kg	21.5kg	11.5kg	22kg	12kg
HMI	LCD DISPLAY with LED indicator	Input/Output Voltage, Frequency, Load level, Operation Mode, Health Status					
	Communication Port	1. RS232 PORT 2. Network Card: Support SNMP,TCP/IP Protocol , for remote monitor the UPS via Smart Phone APP, Web page, PC Monitor Software , Support Server / NAS shutdown					
	BMS Port	1.Modbus 2.Control BMS (Battery Management System) charge and discharge dry contact					
Operating Environment Endurance	Temperature range	-10~50℃					
	Relative Humidity	0-98% ((Non-condensing)					
	Acoustics Noise	<50dB @ 1 meters					

R Series Lithium UPS (6-10kVA)

Product Introduction

R-series lithium UPS (6~10KVA) is an online double-conversion UPS, ideal for small-scale scenarios. It eliminates grid issues, supports rack-mount installation, and operates at up to 96% efficiency. The compact design and high power density, along with R-series lithium battery backup, save installation space. It supports automatic start-up and is suitable for unmanned sites. Optional intelligent cards enable comprehensive UPS status monitoring.

Application

- Small and medium-sized enterprises, large enterprise branches, and bank branches with small-scale data centers.
- AC power supply for networks, communication systems, and automated control systems.
- AC power supply for precision instruments and equipment.

Features and Values

Green

- Under dual conversion mode, efficiency reaches up to 96%, highly efficient and energy-saving.
- In ECO mode, efficiency reaches up to 99%, providing economic and reliable performance.

Reliability

- Ultra-wide voltage input range, easily copes with harsh electricity environments.
- Advanced DSP control technology, with self-fault diagnosis and processing capabilities.
- Independent air duct design, ensuring more reliable overall operation.
- Long-life lithium iron phosphate battery design, with a service life of up to 10 years, no need to replace batteries.

Safety

- Optimized grid adaptability, perfect compatibility with generators.
- Comprehensive warning and protection functions, automatic start-up detection, ensuring equipment safety.

Minimalist

- Automatic mains start-up, supports unmanned operation.
- Intelligent screen displays parameters, providing clear equipment status.
- Compact size, flexible installation, effectively saving installation space.
- Digital control, ultra-long endurance, supports low-current discharge.



Technical Parameters

Model		R6KS-Li		R8KS-Li		R10KS-Li	
Capacity kVA/W		6kVA/5400W		8kVA/7200W		10kVA/9000W	
Topology		Double Conversion Online UPS					
Phase		Single Phase Input Single Phase Output					
Mains Input	Wiring	L/N+PE					
	Rated Voltage	220/230/240VAC					
	Voltage Range	90~300VAC					
	Frequency Range	40Hz~70Hz					
	Input Power Factor	≥ 0.99					
AC Output	Wiring	L/N+PE					
	Output Voltage	220/230/240VAC					
	Voltage Regulation	±1%					
	Output Frequency	50/60±4Hz(Sync Mode) / 50/60Hz±0.1%(Free Run)					
	Waveform	Sine Wave					
	Distortion (THDV%)	<1%(Linear Load)					
		<6%(None-Linear Load)					
	Over load capability	10Min@105%~125%Rated Load 60Sec.@125%~150%Rated Load 0.5Sec.@>150%Rated Load					
Efficiency	Mains Mode	>96%		>96%		>96%	
	Battery Mode	>90%					
Battery & Charger	Rated Battery Voltage	192VDC-240VDC					
	Battery Capacity	External Battery Depends					
	Backup Time						
	Float Charge Voltage	227.2V(3.55x64s) / 284V(3.55x80s)Customized according to battery request					
	Charging Current	4A (standard)					
Physical	Chassis Style	RACK					
	Rack Dimension	438x88(2U)X500mm					
	Weight	10.8kg		12.6kg		12.6kg	
HMI	LCD DISPLAY with LED indicator	Input/Output Voltage, Frequency, Load level, Operation Mode, Health Status					
	Communication Port	1. RS232 PORT 2. Network Card: Support SNMP,TCP/IP Protocol , for remote monitor the UPS via Smart Phone APP, Web page, PC Monitor Software , Support Server / NAS shutdown					
	BMS Port	1.Modbus 2. Control BMS (Battery Management System) charge and discharge dry contact					
Operating Environment Endurance	Temperature range	-10~50℃					
	Relative Humidity	0-98% (Non-condensing)					
	Acoustics Noise	<55dB @ 1 meters					

R Series Lithium UPS (10-20kVA)

Product Introduction

R-series lithium UPS (10~20KVA) is an online double-conversion UPS, ideal for small-scale scenarios. It eliminates grid issues, supports rack-mount installation, and operates at up to 96% efficiency. The compact design and high power density, along with R-series lithium battery backup, save installation space. It supports automatic start-up and is suitable for unmanned sites. Optional intelligent cards enable comprehensive UPS status monitoring.

Application

- Small and medium-sized enterprises, large enterprise branches, and bank branches with small-scale data centers.
- AC power supply for networks, communication systems, and automated control systems.
- AC power supply for precision instruments and equipment.

Features and Values

Green

- Under dual conversion mode, efficiency reaches up to 96%, highly efficient and energy-saving.
- In ECO mode, efficiency reaches up to 99%, providing economic and reliable performance.

Reliability

- Ultra-wide voltage input range, easily copes with harsh electricity environments.
- Advanced DSP control technology, with self-fault diagnosis and processing capabilities.
- Independent air duct design, ensuring more reliable overall operation.
- Long-life lithium iron phosphate battery design, with a service life of up to 10 years, no need to replace batteries.

Safety

- Optimized grid adaptability, perfect compatibility with generators.
- Comprehensive warning and protection functions, automatic start-up detection, ensuring equipment safety.

Minimalist

- Automatic mains start-up, supports unmanned operation.
- Intelligent screen displays parameters, providing clear equipment status.
- Compact size, flexible installation, effectively saving installation space.
- Digital control, ultra-long endurance, supports low-current discharge.



Technical Parameters

Model		3R10KS-Li	3R15KS-Li	3R20KS-Li
Capacity kVA/kW		10kVA/9kW	15kVA/13.5kW	20kVA/18kW
Topology		Double Conversion Online UPS		
Phase		Three Phase Input Single Phase Output		
Mains Input	Wiring	L/N+PE/(L1/L2/L3/N)+PE		
	Voltage Range	Single Phase: 90~300VAC Three Phase: 150~500VAC		
	Frequency Range	40Hz~70Hz		
	Input Power Factor	≥ 0.99		
AC Output	Wiring	L/N+PE		
	Output Voltage	L-N:208/220/230/240Vac		
	Voltage Regulation	±1%		
	Output Frequency	50/60±4Hz(Sync Mode) / 50/60Hz±0.1%(Free Run)		
	Waveform	Sine Wave		
	Distortion (THDV%)	<1%(Linear Load) <5%(None-Linear Load)		
	Over load capability	Mains Mode, Battery Mode (240VDC) : 10Min@105%~125%Rated Load 30Sec.@125%~150%Rated Load 0.5Sec.@>150%Rated Load		
		Battery Mode (192VDC) : 10Sec.@102%~110%Rated Load 0.5Sec.@>110%Rated Load		
Efficiency	Mains Mode	>96%		
	Battery Mode	192VDC: >92% / 240VDC: >93%		
Battery & Charger	Rated Battery Voltage	192VDC/240VDC		
	Battery Capacity Backup Time	External Battery Depends		
	Float Charge Voltage	227.2V(3.55x64s) / 284V(3.55x80s)Customized according to battery request		
	Charging Current	4A (standard)		
Physical	Rack Dimension	438x132x530MM	438x176x530MM	438x176x530MM
	Weight	14.5kg	24.5kg	24.5kg
HMI	LCD DISPLAY with LED indicator	Input/Output Voltage, Frequency, Load level, Operation Mode, Health Status		
	Communication Port	1. RS232 PORT 2. Network Card: Support SNMP,TCP/IP Protocol , for remote monitor the UPS via Smart Phone APP, Web page, PC Monitor Software , Support Server / NAS shutdown		
	BMS Port	1.Modbus 2. Control BMS (Battery Management System) charge and discharge dry contact		
Operating Environment Endurance	Temperature range	0~40℃		
	Relative Humidity	0-98% (Non-condensing)		
	Acoustics Noise	<55dB @ 1 meters		

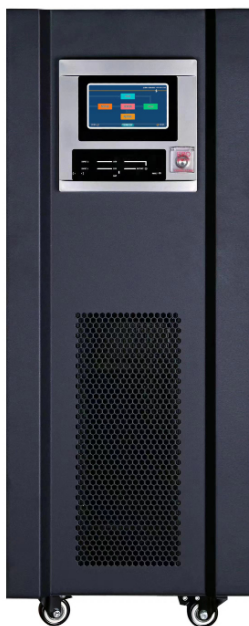
3B3 Series Lithium (10-20kVA)

Product Introduction

Product Introduction: The 3B3 series is a high-intelligence, sine-wave, online UPS that integrates digital, informational, and network technologies. It features robust protection systems and is widely used in various power environments, ensuring safe operation of computers, communication equipment, motors, medical devices, and more, while offering comprehensive protection against power-related issues.

Application

- Medical Equipment
- Industrial Control Systems
- Industrial Power
- Metallurgy and Building Materials
- Automation Equipment
- Automotive Manufacturing
- Transportation
- Manufacturing Processes
- Chemical and Glass Industries
- Smart Devices



Features and Values

Mature Technology

- Output isolation transformer for high reliability and strong impact protection.
- Industry-proven phase-controlled rectification technology, suitable for various harsh industrial grid environments.
- Strengthened combination structure cabinet, designed for challenging industrial environments.
- Optimized circuit design, enhancing circuit integration and anti-interference capability for improved stability and performance.

Large Screen Display

- Rich LCD screen and LED indicator lights display the overall operating status and working parameters of the equipment.
- User-friendly human-machine interface with abundant software functions, making it easy for users to access information and operate.
- Equipped with comprehensive warning and protection functions, offering various alarm methods for customers to detect and promptly maintain issues.

Redundant Design

- Online upgradable and expandable, increasing the load capacity of the UPS system.
- Up to 6 units can be directly paralleled, supporting parallel connection of different models within the same series.
- Equipped with LBS synchronization function, enabling synchronization of two independent UPS current loads.
- Compatible with generator operation.
- Features soft start function, reducing the impact current during system startup.

Battery Management

- Advanced lithium battery management with temperature compensation, extending battery lifespan.
- Intelligent control of UPS charging and discharging behavior through built-in lithium battery control.
 - Accurate acquisition of battery SOC and SOH through integrated data interfaces.
- Dedicated lithium battery charging control with constant current, constant voltage, float charging, and shutdown modes.

Technical Parameters

Model		3B3 10KS-Li	3B3 15KS-Li	3B3 20KS-Li
Capacity kVA/kW		10kVA/8kW	15kVA/12kW	20kVA/16kW
Phase		Three Phase Input Three Phase Output		
Mains Input	Wiring	L1/L2/L3/N+PE		
	Rated Voltage	380/400/415Vac (L-L)		
	Voltage Range	±25%		
	Frequency Range	45Hz-65Hz		
	Input Power Factor	≥ 0.95		
AC Output	Wiring	L1/L2/L3/N+PE		
	Output Voltage	380/400/415Vac		
	Voltage Regulation	±1%		
	Output Frequency	Automatic bypass frequency tracking		
	Waveform	Sine Wave		
	Distortion (THDV%)	<1%(Linear Load)		
		<5%(None-Linear Load)		
	Over load capability	60Min@105%~110%Rated Load		
		10Min@110%~125%Rated Load		
		1Min@125%~150%Rated Load		
		10Sec.@150%Rated Load		
Efficiency	Mains Mode	>91%		
	Rated Battery Voltage	384VDC(348VDC Optimal)		
	Battery Capacity Backup Time	External Battery Depends		
HMI	LCD DISPLAY with LED indicator	Input/Output Voltage, Frequency, Load level, Operation Mode, Health Status		
	Communication Port	1. RS232 PORT 2. Network Card: Support SNMP,TCP/IP Protocol , for remote monitor the UPS via Smart Phone APP, Web page, PC Monitor Software , Support Server / NAS shutdown		
	BMS Port	1.Modbus 2. Control BMS (Battery Management System) charge and discharge dry contact		
	Alarm Function	Mains power abnormality, UPS failure, battery under-voltage, output overload etc		
	Protect Function	Under-voltage battery protection, overload protection, short circuit protection, over-temperature protection, input over/under-voltage protection.		
Operating Environment Endurance	Temperature range	-10~40℃		
	Relative Humidity	0-95% (Non-condensing)		
	Acoustics Noise	<55dB @ 1 meters		
physica	Rack Dimension	300*600*810MM		
	Weight	91kg	112kg	120kg

3B3 Series Lithium (30-60kVA)



Product Introduction

Product Introduction: The 3B3 series is a high-intelligence, sine-wave, online UPS that integrates digital, informational, and network technologies. It features robust protection systems and is widely used in various power environments, ensuring safe operation of computers, communication equipment, motors, medical devices, and more, while offering comprehensive protection against power-related issues.

Application

- Medical Equipment
- Industrial Control Systems
- Industrial Power
- Metallurgy and Building Materials
- Automation Equipment
- Automotive Manufacturing
- Transportation
- Manufacturing Processes
- Chemical and Glass Industries
- Smart Devices

Features and Values

Mature Technology

- Output isolation transformer for high reliability and strong impact protection.
- Industry-proven phase-controlled rectification technology, suitable for various harsh industrial grid environments.
- Strengthened combination structure cabinet, designed for challenging industrial environments.
- Optimized circuit design, enhancing circuit integration and anti-interference capability for improved stability and performance.

Large Screen Display

- Rich LCD screen and LED indicator lights display the overall operating status and working parameters of the equipment.
- User-friendly human-machine interface with abundant software functions, making it easy for users to access information and operate.
- Equipped with comprehensive warning and protection functions, offering various alarm methods for customers to detect and promptly maintain issues.

Redundant Design

- Online upgradable and expandable, increasing the load capacity of the UPS system.
- Up to 6 units can be directly paralleled, supporting parallel connection of different models within the same series.
- Equipped with LBS synchronization function, enabling synchronization of two independent UPS current loads.
- Compatible with generator operation.
- Features soft start function, reducing the impact current during system startup performance.

Battery Management

- Advanced lithium battery management with temperature compensation, extending battery lifespan.
- Intelligent control of UPS charging and discharging behavior through built-in lithium battery control.
 - Accurate acquisition of battery SOC and SOH through integrated data interfaces.
- Dedicated lithium battery charging control with constant current, constant voltage, boat charging, and shutdown modes.

Technical Parameters

Model		3B3 30KS-Li	3B3 40KS-Li	3B3 60KS-Li
Capacity kVA/kW		30kVA/24kW	40kVA/32kW	60kVA/48kW
Phase		Three Phase Input Three Phase Output		
Mains Input	Wiring	L1/L2/L3/N+PE		
	Rated Voltage	380/400/415Vac (L-L)		
	Voltage Range	±25%		
	Frequency Range	45Hz-65Hz		
	Input Power Factor	≥ 0.95		
AC Output	Wiring	L1/L2/L3/N+PE		
	Output Voltage	380/400/415Vac		
	Voltage Regulation	±1%		
	Output Frequency	Automatic bypass frequency tracking		
	Waveform	Sine Wave		
	Distortion (THDV%)	<1%(Linear Load)		
		<5%(None-Linear Load)		
	Over load capability	60Min@105%~110%Rated Load 10Min@110%~125%Rated Load 1Min@125%~150%Rated Load 10Sec.@150%Rated Load		
Efficiency	Mains Mode	>92%		
	Rated Battery Voltage	384VDC(348/360VDC Optimal)		
	Battery Capacity Backup Time	External Battery Depends		
HMI	LCD DISPLAY with LED indicator	Input/Output Voltage, Frequency, Load level, Operation Mode, Health Status		
	Communication Port	1. RS232 PORT 2. Network Card: Support SNMP,TCP/IP Protocol , for remote monitor the UPS via Smart Phone APP, Web page, PC Monitor Software , Support Server / NAS shutdown		
	BMS Port	1.Modbus 2. Control BMS (Battery Management System) charge and discharge dry contact		
	Alarm Function	Mains power abnormality, UPS failure, battery under-voltage, output overload etc		
	Protect Function	Under-voltage battery protection, overload protection, short circuit protection, over-temperature protection, input over/under-voltage protection.		
Operating Environment Endurance	Temperature range	-10~40℃		
	Relative Humidity	0-95% (Non-condensing)		
	Acoustics Noise	<55dB @ 1 meters		
physica	Rack Dimension	400*750*1010	400*750*1010	450*830*1160
	Weight	190kg	208kg	267kg

3B3 Series Lithium (80-120kVA)



Product Introduction

Product Introduction: The 3B3 series is a high-intelligence, sine-wave, online UPS that integrates digital, informational, and network technologies. It features robust protection systems and is widely used in various power environments, ensuring safe operation of computers, communication equipment, motors, medical devices, and more, while offering comprehensive protection against power-related issues.

Application

- Medical Equipment
- Industrial Control Systems
- Industrial Power
- Metallurgy and Building Materials
- Automation Equipment
- Automotive Manufacturing
- Transportation
- Manufacturing Processes
- Chemical and Glass Industries
- Smart Devices

Features and Values

Mature Technology

- Output isolation transformer for high reliability and strong impact protection.
- Industry-proven phase-controlled rectification technology, suitable for various harsh industrial grid environments.
- Strengthened combination structure cabinet, designed for challenging industrial environments.
- Optimized circuit design, enhancing circuit integration and anti-interference capability for improved stability and performance.

Large Screen Display

- Rich LCD screen and LED indicator lights display the overall operating status and working parameters of the equipment.
- User-friendly human-machine interface with abundant software functions, making it easy for users to access information and operate.
- Equipped with comprehensive warning and protection functions, offering various alarm methods for customers to detect and promptly maintain issues.

Redundant Design

- Online upgradable and expandable, increasing the load capacity of the UPS system.
- Up to 6 units can be directly paralleled, supporting parallel connection of different models within the same series.
- Equipped with LBS synchronization function, enabling synchronization of two independent UPS current loads.
- Compatible with generator operation.
- Features soft start function, reducing the impact current during system startup performance.

Battery Management

- Advanced lithium battery management with temperature compensation, extending battery lifespan.
- Intelligent control of UPS charging and discharging behavior through built-in lithium battery control.
 - Accurate acquisition of battery SOC and SOH through integrated data interfaces.
- Dedicated lithium battery charging control with constant current, constant voltage, boat charging, and shutdown modes.

Technical Parameters

Model		3B3 80KS-Li	3B3 100KS-Li	3B3 120KS-Li
Capacity kVA/kW		80kVA/64kW	100kVA/80kW	120kVA/96kW
Phase		Three Phase Input Three Phase Output		
Mains Input	Wiring	L1/L2/L3/N+PE		
	Rated Voltage	380/400/415Vac (L-L)		
	Voltage Range	±25%		
	Frequency Range	45Hz-65Hz		
	Input Power Factor	≥ 0.96		
AC Output	Wiring	L1/L2/L3/N+PE		
	Output Voltage	380/400/415Vac		
	Voltage Regulation	±1%		
	Output Frequency	Automatic bypass frequency tracking		
	Waveform	Sine Wave		
	Distortion (THDV%)	<1%(Linear Load)		
		<5%(None-Linear Load)		
	Over load capability	60Min@105%~110%Rated Load		
		10Min@110%~125%Rated Load		
		1Min@125%~150%Rated Load		
		10Sec.@150%Rated Load		
Efficiency	Mains Mode	>95%		
	Rated Battery Voltage	384VDC(348/360VDC Optimal)		
	Battery Capacity Backup Time	External Battery Depends		
HMI	LCD DISPLAY with LED indicator	Input/Output Voltage, Frequency, Load level, Operation Mode, Health Status		
	Communication Port	1. RS232 PORT 2. Network Card: Support SNMP,TCP/IP Protocol , for remote monitor the UPS via Smart Phone APP, Web page, PC Monitor Software , Support Server / NAS shutdown		
	BMS Port	1.Modbus 2. Control BMS (Battery Management System) charge and discharge dry contact		
	Alarm Function	Mains power abnormality, UPS failure, battery under-voltage, output overload etc		
	Protect Function	Under-voltage battery protection, overload protection, short circuit protection, over-temperature protection, input over/under-voltage protection.		
Operating Environment Endurance	Temperature range	-10~40℃		
	Relative Humidity	0-95% (Non-condensing)		
	Acoustics Noise	<60dB @ 1 meters		
physica	Rack Dimension	450*830*1160	700*800*1500	700*800*1500
	Weight	310kg	460kg	550kg



3B3 Series Lithium (160-400kVA)



Product Introduction

Product Introduction: The 3B3 series is a high-intelligence, sine-wave, online UPS that integrates digital, informational, and network technologies. It features robust protection systems and is widely used in various power environments, ensuring safe operation of computers, communication equipment, motors, medical devices, and more, while offering comprehensive protection against power-related issues.

Application

- Medical Equipment
- Industrial Control Systems
- Industrial Power
- Metallurgy and Building Materials
- Automation Equipment
- Automotive Manufacturing
- Transportation
- Manufacturing Processes
- Chemical and Glass Industries
- Smart Devices

Features and Values

Mature Technology

- Output isolation transformer for high reliability and strong impact protection.
- Industry-proven phase-controlled rectification technology, suitable for various harsh industrial grid environments.
- Strengthened combination structure cabinet, designed for challenging industrial environments.
- Optimized circuit design, enhancing circuit integration and anti-interference capability for improved stability and performance.

Large Screen Display

- Rich LCD screen and LED indicator lights display the overall operating status and working parameters of the equipment.
- User-friendly human-machine interface with abundant software functions, making it easy for users to access information and operate.
- Equipped with comprehensive warning and protection functions, offering various alarm methods for customers to detect and promptly maintain issues.

Redundant Design

- Online upgradable and expandable, increasing the load capacity of the UPS system.
- Up to 6 units can be directly paralleled, supporting parallel connection of different models within the same series.
- Equipped with LBS synchronization function, enabling synchronization of two independent UPS current loads.
- Compatible with generator operation.
- Features soft start function, reducing the impact current during system startup performance.

Battery Management

- Advanced lithium battery management with temperature compensation, extending battery lifespan.
- Intelligent control of UPS charging and discharging behavior through built-in lithium battery control.
 - Accurate acquisition of battery SOC and SOH through integrated data interfaces.
- Dedicated lithium battery charging control with constant current, constant voltage, boat charging, and shutdown modes.

Technical Parameters

Model		3B3 160KS-Li	3B3 200KS-Li	3B3 250KS-Li	3B3 300KS-Li	3B3 400KS-Li	
Capacity kVA/kW		160kVA/128kW	200kVA/160kW	250kVA/200kW	300kVA/240kW	400kVA/320kW	
Phase		Three Phase Input Three Phase Output					
Mains Input	Wiring	L1/L2/L3/N+PE					
	Rated Voltage	380/400/415Vac (L-L)					
	Voltage Range	±25%					
	Frequency Range	45Hz-65Hz					
	Input Power Factor	≥ 0.95					
AC Output	Wiring	L1/L2/L3/N+PE					
	Output Voltage	380/400/415Vac					
	Voltage Regulation	±1%					
	Output Frequency	Automatic bypass frequency tracking					
	Waveform	Sine Wave					
	Distortion (THDV%)	<1%(Linear Load)					
		<5%(None-Linear Load)					
	Over load capability	60Min@105%~110%Rated Load 10Min@110%~125%Rated Load 1Min@125%~150%Rated Load 10Sec.@150%Rated Load					
	Mains Mode	>92%			≥ 95%		
Efficiency	Rated Battery Voltage	384VDC(348/360VDC Optimal)					
	Battery Capacity Backup Time	External Battery Depends					
HMI	LCD DISPLAY with LED indicator	Input/Output Voltage, Frequency, Load level, Operation Mode, Health Status					
	Communication Port	1. RS232 PORT 2. Network Card: Support SNMP,TCP/IP Protocol , for remote monitor the UPS via Smart Phone APP, Web page, PC Monitor Software , Support Server / NAS shutdown					
	BMS Port	1.Modbus 2. Control BMS (Battery Management System) charge and discharge dry contact					
	Alarm Function	Mains power abnormality, UPS failure, battery under-voltage, output overload etc					
	Protect Function	Under-voltage battery protection, overload protection, short circuit protection, over-temperature protection, input over/under-voltage protection.					
Operating Environment Endurance	Temperature range	-10~40℃					
	Relative Humidity	0-95% (Non-condensing)					
	Acoustics Noise	<65dB @ 1 meters			<70dB @ 1 meters		<75dB @ 1 meters
Physical	Rack Dimension	700*800*1700			1035*840*1800		1200*1000*1800
	Weight	630kg	720kg	920kg	1220kg	1920kg	

3B3 Series Lithium^(500-600kVA)



Product Introduction

Product Introduction: The 3B3 series is a high-intelligence, sine-wave, online UPS that integrates digital, informational, and network technologies. It features robust protection systems and is widely used in various power environments, ensuring safe operation of computers, communication equipment, motors, medical devices, and more, while offering comprehensive protection against power-related issues.

Application

- Medical Equipment
- Industrial Control Systems
- Industrial Power
- Metallurgy and Building Materials
- Automation Equipment
- Automotive Manufacturing
- Transportation
- Manufacturing Processes
- Chemical and Glass Industries
- Smart Devices

Features and Values

Mature Technology

- Output isolation transformer for high reliability and strong impact protection.
- Industry-proven phase-controlled rectification technology, suitable for various harsh industrial grid environments.
- Strengthened combination structure cabinet, designed for challenging industrial environments.
- Optimized circuit design, enhancing circuit integration and anti-interference capability for improved stability and performance.

Large Screen Display

- Rich LCD screen and LED indicator lights display the overall operating status and working parameters of the equipment.
- User-friendly human-machine interface with abundant software functions, making it easy for users to access information and operate.
- Equipped with comprehensive warning and protection functions, offering various alarm methods for customers to detect and promptly maintain issues.

Redundant Design

- Online upgradable and expandable, increasing the load capacity of the UPS system.
- Up to 6 units can be directly paralleled, supporting parallel connection of different models within the same series.
- Equipped with LBS synchronization function, enabling synchronization of two independent UPS current loads.
- Compatible with generator operation.
- Features soft start function, reducing the impact current during system startup.

Battery Management

- Advanced lithium battery management with temperature compensation, extending battery lifespan.
- Intelligent control of UPS charging and discharging behavior through built-in lithium battery control.
 - Accurate acquisition of battery SOC and SOH through integrated data interfaces.
- Dedicated lithium battery charging control with constant current, constant voltage, float charging, and shutdown modes.

Technical Parameters

Model		3B3 500KS-Li	3B3 600KS-Li
Capacity kVA/kW		500kVA/400kW	600kVA/480kW
Phase		Three Phase Input Three Phase Output	
Mains Input	Wiring	L1/L2/L3/N+PE	
	Rated Voltage	380/400/415Vac (L-L)	
	Voltage Range	±25%	
	Frequency Range	45Hz-65Hz	
	Input Power Factor	≥ 0.95	
AC Output	Wiring	L1/L2/L3/N+PE	
	Output Voltage	380/400/415Vac	
	Voltage Regulation	±1%	
	Output Frequency	Automatic bypass frequency tracking	
	Waveform	Sine Wave	
	Distortion	<1%(Linear Load)	
	(THDV%)	<5%(None-Linear Load)	
	Over load capability	Load 10Min@110%~125%Rated Load 1Min@125%~150%Rated	
	Mains Mode	>92%	
Efficiency	Rated Battery Voltage	480VDC	
	Battery Capacity Backup Time	External Battery Depends	
HMI	LCD DISPLAY with LED indicator	Input/Output Voltage, Frequency, Load level, Operation Mode, Health Status	
	Communication Port	1. RS232 PORT 2. Network Card: Support SNMP,TCP/IP Protocol , for remote monitor the UPS via Smart Phone APP, Web page, PC Monitor Software , Support Server / NAS shutdown	
	BMS Port	1.Modbus 2. Control BMS (Battery Management System) charge and discharge dry contact	
	Alarm Function	Mains power abnormality, UPS failure, battery under-voltage, output overload etc	
	Protect Function	Under-voltage battery protection, overload protection, short circuit protection, over-temperature protection, input over/under-voltage protection.	
Operating Environment Endurance	Temperature range	-10~40℃	
	Relative Humidity	0-95% (Non-condensing)	
	Acoustics Noise	<65dB @ 1 meters	
Physical	Rack Dimension	1800*1000*1900	2580*1000*1900