



**VIRTUE
ENERGY**



Long Runtime Free-Installation Tower UPS

Virtue Energy(Shen Zhen)Co.Ltd

Long Time Delay UPS



Design Concept:

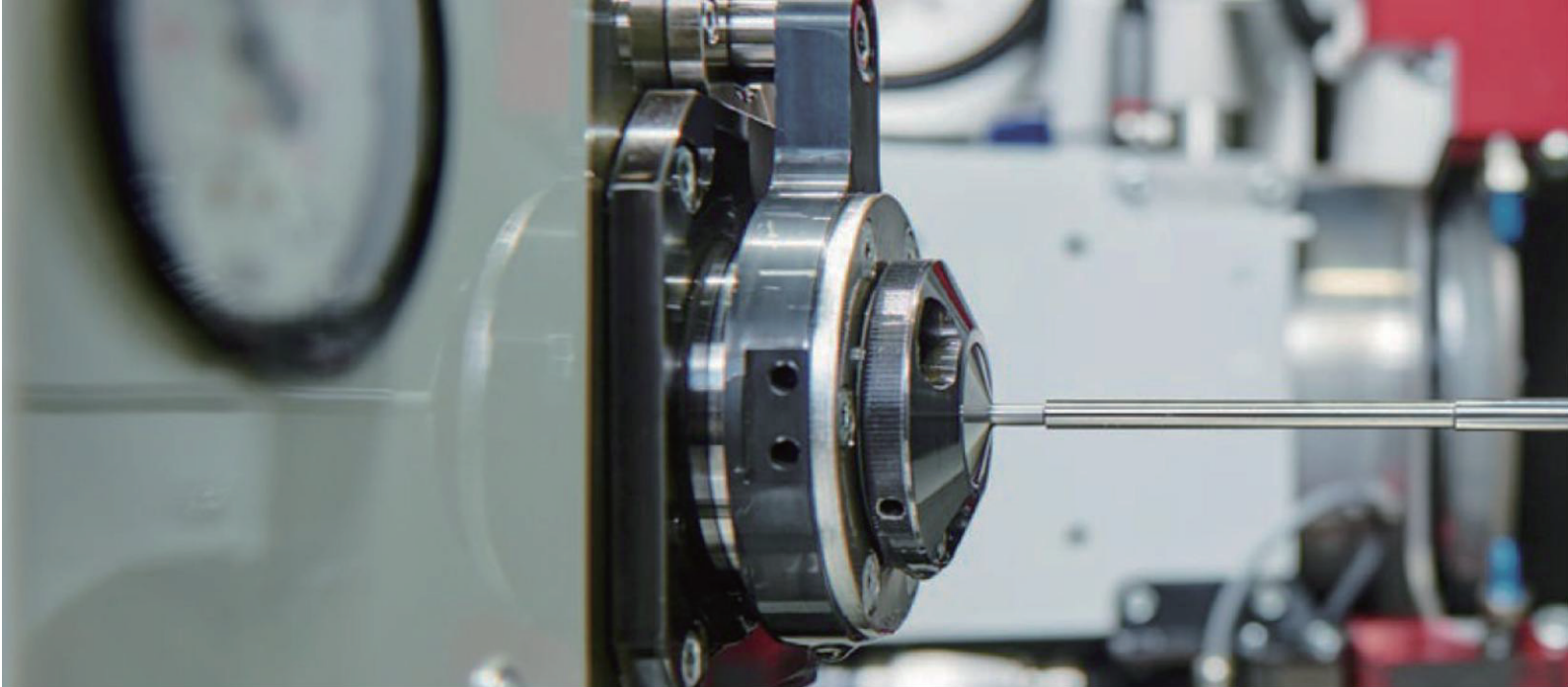
The long-delay all-in-one UPS series adopts fully digital control, quasi-modular design, and intelligent lithium battery management, offering comprehensive functions, high reliability, simple operation, and easy maintenance to provide pure, safe, and stable power in harsh grid environments.

Product Description:

- Rated Capacity: 1-3KVA
- Rated Input Voltage: 220Vac
- Rated Output Voltage: 220Vac
- Rated Frequency: 50/60Hz
- Topology: Double transformation online type
- Input Output Standard: Single phase three wire

Application Area:

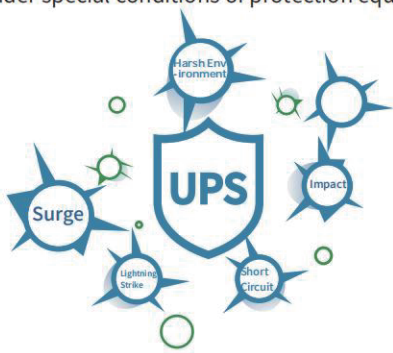
- IT Room
- Small smart devices
- Precision instruments
- Medical equipment



Integrated Reliable Design

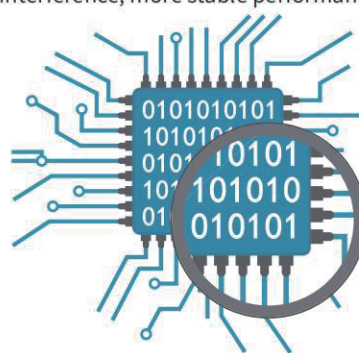
Mature Technology Leading Design

- With strong anti-shock, anti-short-circuit characteristics, to provide maximum protection for the user's critical load
- The product is portable and mobile, suitable for various harsh industrial environments and various application scenarios
- Input with lightning surge protection design, can be effective under special conditions of protection equipment



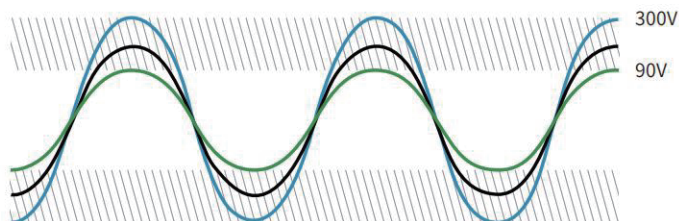
Digital Control Advanced Intelligence

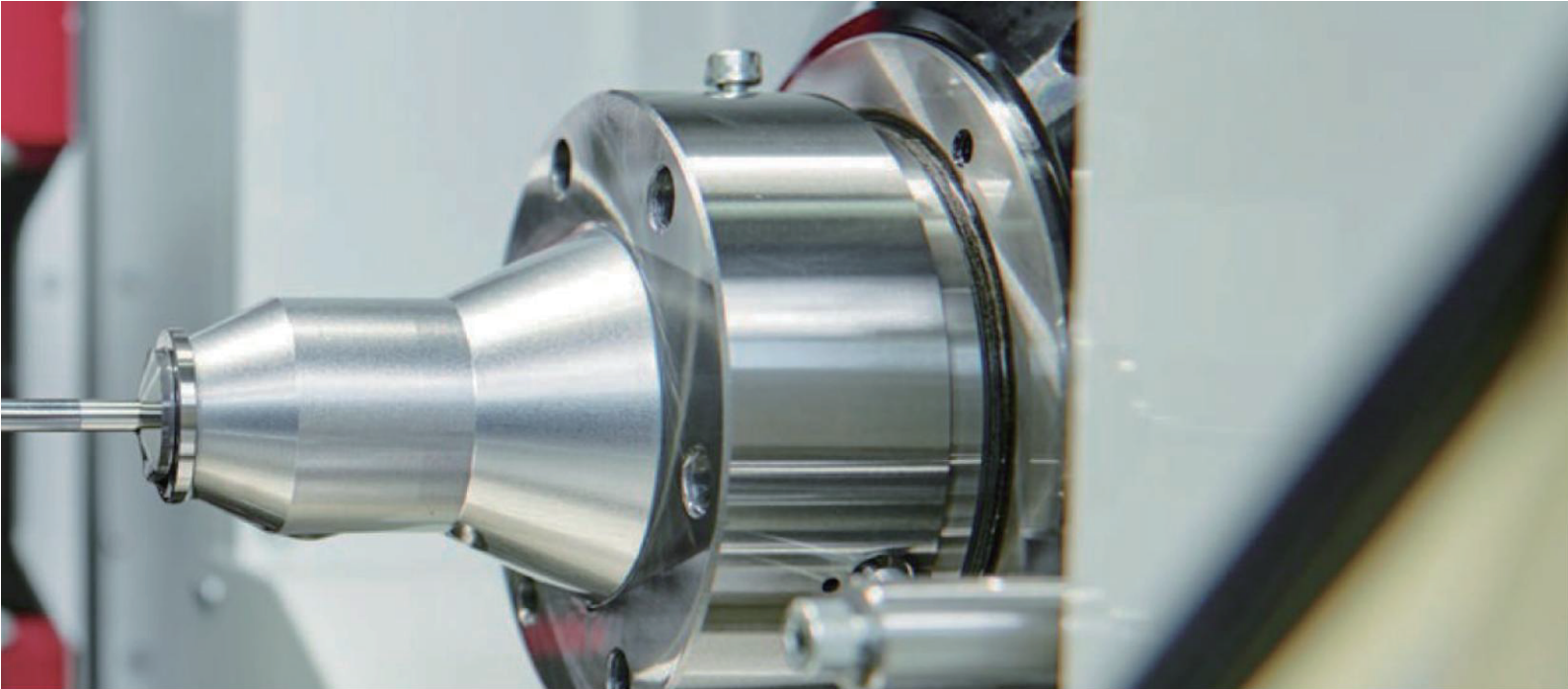
- Advanced DSP+MCU control data processing is precise and fast, with high precision and strong real-time performance
- With fast self-diagnosis and fault handling capabilities, comprehensive self-protection functions, and higher reliability.
- Improve circuit integration, optimize circuit design, improve the ability of anti-interference, more stable performance



Super Adaptable Easy Handle

- Accurate electrical synchronization system, improve the user system performance
- Super Power Input Adaptability, Power Network Adaptability, easy to deal with the harsh electricity environment
- Wide input voltage input frequency range, avoid frequent power/battery switching, extend battery life





AutonomicInnovative Upgrade

Superior Performance, Excellent Specifications

- Ultra-low output voltage harmonic distortion, effective protection of the load, while reducing the cost of energy consumption
- The structure design is optimized, the volume is smaller, reduces the user space cost
- Wide and super-strong overload capacity, 125% load can be stable for 1 min without power failure, to ensure the safe and normal operation of equipment
- Efficient fan refrigeration, low noise, for customers to create a green and comfortable working environment



Economic Mode, Significant Energy Savings

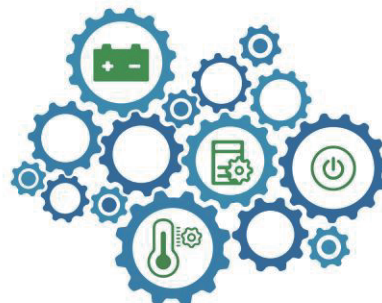
- All devices are in line with international environmental RoHS standards, green and harmless
- Reliable electromagnetic compatibility characteristics, through the authority certification, can be suitable for high-frequency communications, radio and television audio-visual system for professional applications



Green And Harmless

Battery Management: Smart and Efficient

- DC start capability: UPS can start up normally without mains power
- Automatic battery charging resumption when power is restored, no manual intervention required
- High-security, long-life built-in battery pack with a design life of up to 10 years; no battery replacement needed throughout the UPS power supply's entire lifecycle
- Extended backup time design, supporting low-current discharge





Excellent Humanized Operation

Convenient Operation, Efficient Maintenance

- Modular design, in-machine maintenance is more convenient
- Can directly replace components, greatly reduce the maintenance cost and average maintenance time, high maintenance efficiency
- Field de-engineering design, easy to install, easy to replace, easy to maintain, to meet the different application scenarios



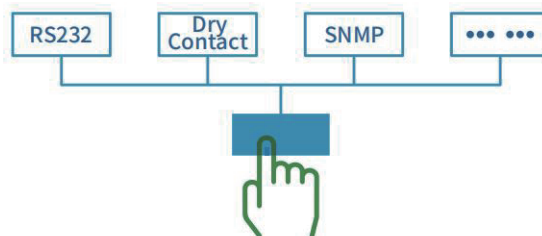
Multi-level Protection, Safe Operation

- Automatic detection upon startup, timely detection of hidden faults, ensuring equipment safety and avoiding unnecessary losses
- Comprehensive protection and alarm functions provide audible and visual alarms at the first sign of trouble, offering real-time protection and peace of mind during use



Rich Interface Multiple Communications

- Rich communication functions, supporting RS232, dry connection, SNMP and other communication interface functions. multiple communication methods to achieve intelligent monitoring of computers and uninterruptible power supplies, meeting customer remote management needs
- Comprehensive communication management functions give you a thorough understanding of the equipment status



Equipment Backup Time Reference

Load Devices	C1K-2H	C2K-2H	C3K-2H
 Server (700W)	1.3 h	2.7 h	4.1 h
 Switch (100W)	9.6 h	19.2 h	28.8 h
 Office Computer (150W)	6.4 h	12.8 h	19.2 h
 Surveillance System (200W)	4.8 h	9.6 h	14.4 h
 Medical Equipment (1500W)	/	1.2 h	1.9 h



Technical Specifications

Model		C1K-2H	C2K-2H	C3K-2H
Parameters				
AC Input	Rated Power	900W	1800W	2700W
	wiring	Single-Phase Three-Wire(L/N+PE)		
	Rated Voltage	208/220/230/240VAC		
	Rated Frequency	50HZ/60HZ		
	Input Voltage Range	85-300VAC $\pm$ 5VAC		
	Input Frequency Range	(40-70) $\pm$ 0.5HZ		
	Input Power Factor	>0.99		
	Bypass Voltage	115~285VAC $\times$ (1 $\pm$ 3%)		
Battery	Battery Pack Voltage	48VDC		
	Battery Capacity	960WH	1920WH	2880WH
	Battery Charging Time	5 hours to 90% (optional fast charging feature)		
AC Output	Output Method	Single-phase three-wire (neutral/live + ground)		
	Output Voltage	200/230/240VAC $\pm$ 2%(Inverter Output)		
	Output Frequency	50/60HZ $\pm$ 0.5%		
	Waveform	Sine Wave		
	Distortion	2%(Linear load)		
	Overload Capacity	105~125% 1 minute 126~150% 30 seconds >150%100ms		
	Output Current Peak Value System	3:1		
	Conversion Time	0ms		
Physical	Dimension(mm)	L395 $\times$ W220 $\times$ H430	L460 $\times$ W250 $\times$ H530	L460 $\times$ W282 $\times$ H570
	Weight(kg)	35	45	53
Environment Endurance	Temperature Range	-10~50°C		
	Humidity Range	0°C~98°C, No condensation		
	Altitude	No Reduction Below 1000 m, More than 1000 m per 100 m Increased by 1%		
	Storage Temperature	-15~45°C		
	Acoustice Noise	<50dB		

*Specifications Are Subject to Change Without Prior Notice



Durable Safe And Reliable

High-End Lithium Battery System Solution Service Provider

Virtue Energy(Shen Zhen)Co.Ltd

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Authorized Distributor:

Custom power specifications available upon request. Specifications above are subject to change without prior notice.