JAVAC

JVM33 Series

30~120kVA

- 3 Level Technology
- All Module Hot-swappable Design
- Power Factor 1 (kVA=kW)
- High Efficiency 96%
- 8 System Parallel
- Fault Trace Management


Data centers


Telecom systems


Computer rooms


Financial systems


Precision instruments

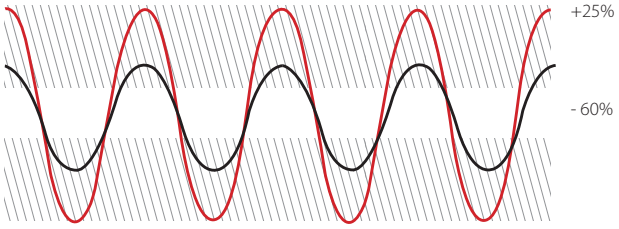

Intelligent equipment

Invest With Power

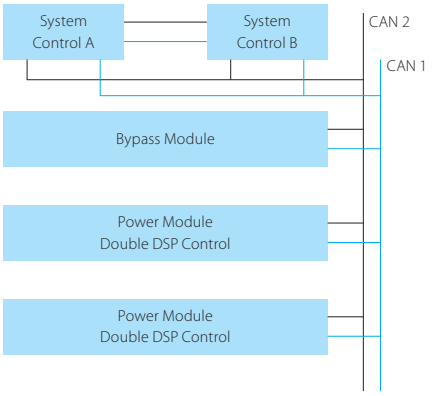
JVM Series Modular UPS

High Reliability

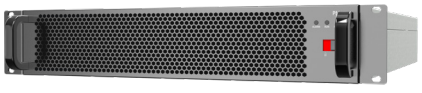
- Wide input voltage range -60%~+25% with high grid adaptability.
- High overload capacity on inverter and bypass.
- All module hot-swappable design ensures uninterrupted operations during maintenance and easy for module replacement.
- Power module with separate internal air channel which hot air drives directly towards heat sink without distressing the PCB's and other internal sensitive components, improving the components service life and UPS reliability.
- Dual system control card and dual DSP control prevents single failure point.
- Intelligent fan control and redundant design for energy saving: 25% load can be driven when 2 fans fail and 50% load when 1 fan fails.
- Integrated with input,output,bypass breaker and manual bypass switch for better protection of system.
- All-round conformal coating to all PCB boards, protect electronics from environmental effection and corrosion.
- Standard dust filter protect UPS placed in dusty environment.
- Local and remote EPO function as standard for immediataly remove power from connected load in the event of emergency.
- Cold start function which allow UPS start on battery when grid isn't available.
- Start up delay function, to sequentially restart the rectifiers of each power modules and UPS system when several system parallel once the mains power supply is restored.
- Bus synchronization control function provides reliable high power for dual bus application



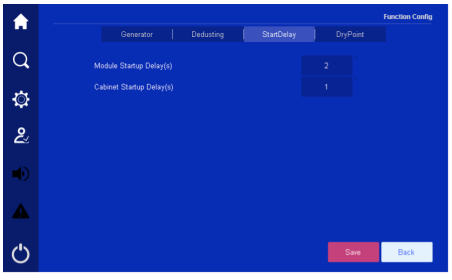
wide input voltage range



Automatic fans control



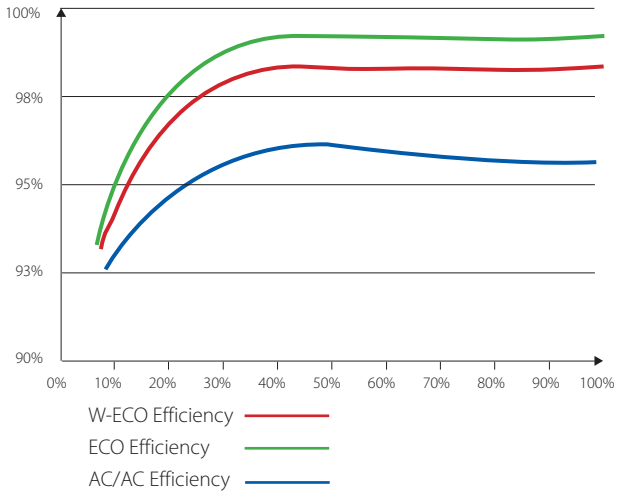
30KW Power Module

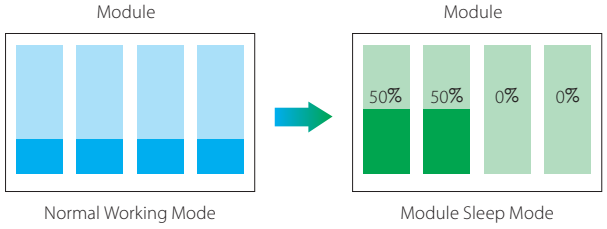


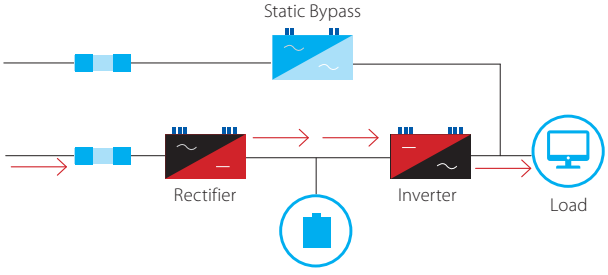
Startup Delay

Green power

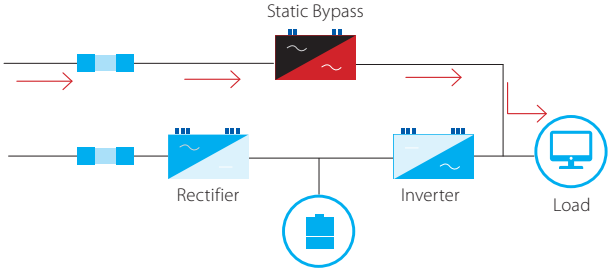
- Latest generation IGBT and three level technology, Low harmonic, high efficiency, effectively energy-saving.
- High efficiency in online mode (>96%) reduces heat dissipation and limits power consumption costs
- W-ECO mode could reach 98.5% efficiency, THDi below 5% and transfer time below 4ms to reduce TCO.
- ECO mode efficiency up to 99.2% lead to significant cost reduction
- THDi≤2% and input power factor 0.99 reduce the pollution to grid and reduce upstream investment costs
- 2U 30KW power module make sure utility output power (kVA=kW) to maximize power availability and high power density.
- Self-load test function, easy debugging and easy onsite test during commissioning without using costly temporary loads, cabling and breakers for energy saving.
- Intelligent sleep mode which UPS module sleep in random keep maxinum efficiency and energy saving.
- Advanced parallel expansion technology, support 8 units up to 960KW in parallel, single /parallel system compatible.



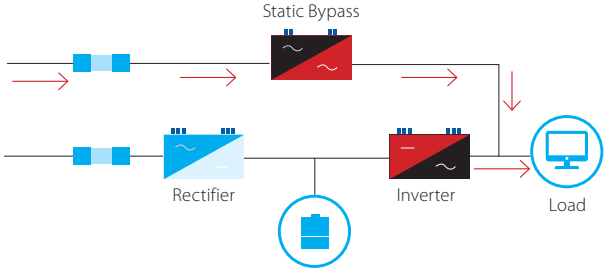




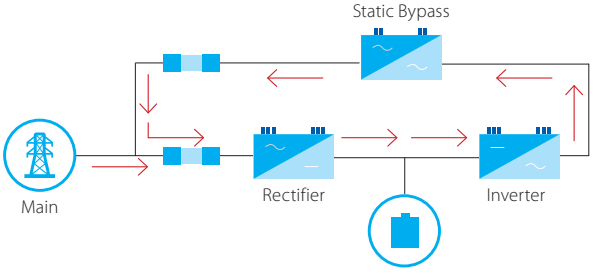
Double Conversion Mode



ECO Mode



W-ECO Mode



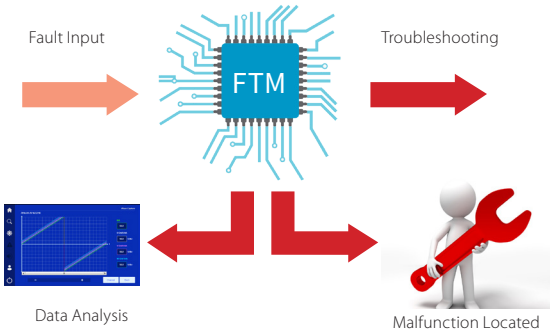
Self-load Test Mode

JVM Series Modular UPS

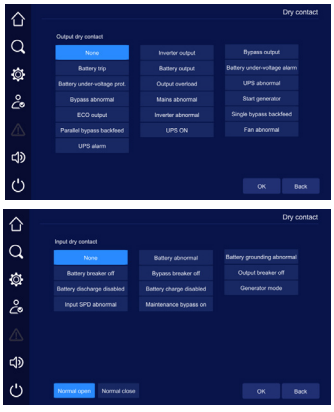
Intelligent Management

- Fault Trace Management (FTM) for convenient failure analysis (200ms waveform record before & after of the fault point) which easily figure out faulty point.
- Intelligent battery charging prolong the service life of batteries
- Intelligent battery management and mutiple setting, 30-46 pcs batteries per string allow customers to get the faulty battery out instead of replacing it
- Full asset management record the spare parts replacement, timeline and service people.
- Cabinet temperature detect and pre-notification which prevent over temperature.
- Key components pre-alarm function which precaution the system fault.
- Smart programmable dry contact which have 6 input dry contact and 3 output dry contact, which input dry contact have more than 6 functions and output dry contact have 11 functions allows to settable at site.
- Smart generator mode which allow UPS sent signal to turn on and off generator, also taking part power from battery to compensation generator capacity.
- Self-dedusting function which save the preventive service time.
- Common battery bank on parallel mode.
- Frequency converter function(60Hz to 50Hz or 50Hz to 60Hz)
- VRLA and Lithium battery compatible design

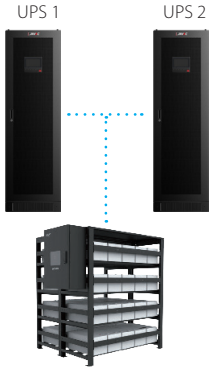
Dedust function



Fault tracing management



Programmable Dry Contact



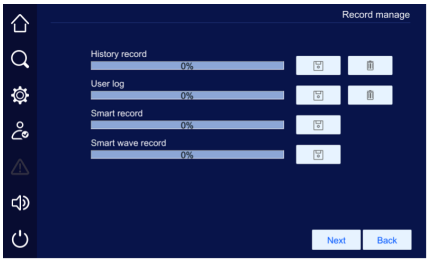
Common battery bank sharing

Frequency Converter Mode

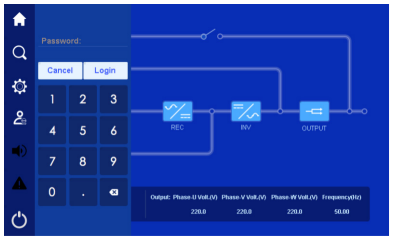
User Friendly Interface

- User-friendly double physical ON/OFF button design to avoid false operation.
- User-friendly graphical interface with Single-line mimic diagram showing system status.
- Colorful 7 inch touch screen with LED Indicators, ensure comprehensive and visualized information display.
- High security access with separate password levels for users, technician and service engineers
- Large data storage capacity,10000pcs events logs.
- Support firmware online update, one time update for touch screen, power unit, bypass unit and extended card.
- Main unit display allow to check the information of each UPS status during parallel mode.

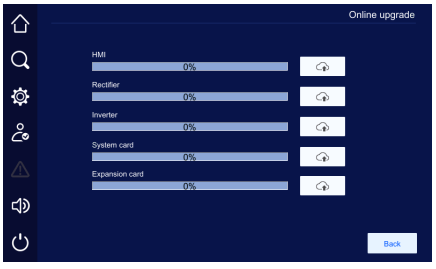
7 inch Touch Screen



Smart Record



Different Level Password



U disk Upgrade

More Options

- Flexible Network Management: SNMP
- Expanded dry contact kit(3 in 2 out)
- BMS kit for lithium battery communication
- Top cable Kit
- Modular Lithium battery
- Intelligent Battery Monitoring System
- Battery tripping kit
- N+X in parallel
- Input isolation transformer
- SPD: C Grade
- Battery Charge Temperature Compensation

BMS Kit

Externded Dry Contact Kit

C Level SPD

SNMP kit

Top Cable Kit

JVM33 Series Modular UPS

30~120kVA

Technical Specifications

MODEL		120kVA
Power module Model		30kVA
Input		
Voltage Range (Vac)		3Φ4W+PE,380/400/415 L:L 138~485
Input Wiring		3Ph+N+PE
Input Frequency (Hz)		40-70
Bypass Voltage Range (Vac)		-20%(10/15/30/40/50/60%)~+15%(10/20/25%)
Power Factor		≥0.99
THDi		≤2% (linear load, full load); ≤3% (nolinear load, full load)
Output		
Power Module (kVA)		30
Power module Number		4+1(N+1)
System Capacity (kVA)		120
Power Factor		1
Voltage (Vac)		3Φ4W+PE,L-L:380,400,415 ±1%
Frequency (Hz)		50/60± 0.2% (battery mode)
Three Phase Difference		True sine wave, ≤2 degrees
THDv		≤1% (linear load, full load); ≤4% (nolinear load, full load)
System Efficiency (MAX)		96%
Overload Capacity		101-105% Long run, 106-110% load for 60 minutes, 111%-125% load for 10 minutes, 126%-150% load for 1 minute, over 150% load transfer to bypass
Battery		
Battery Voltage (Vdc)*		±192 (±168~±276 settable)
Charging Current (A)		N×10 Maximum (N = the number of power module)
Others		
Display		7 inch Touch screen+ LED+ Physical buttons
Alarm		Low battery, abnormal AC input, UPS failure, etc.
Protection		Low battery, overload, short-circuit and over temperature, etc.
Relative Humidity		0~95%, no condensation
Communication Function		RS232, RS485,Dry contact, MODBUS, SNMP (optional)
Breakers		input, output, bypass and maintanence bypass switch
Altitude(m)		0~2000, no derate
Noise (dB)		65
Storage Temperature (ºC)		-40~70
Operating Temperature (ºC)		0~40
Power Module Dimension (W×D×H)(mm)		500×700×86(3U)
Cabinet Dimension(W×D×H)(mm)		600×860×2000
Weight (kg)	Cabinet	162
	Power Module	24

• Specification is subject to change without prior notice.

Nanoweld BVBA

Add: Kwade Weide 1, B-2920 Kalmthout,Antwerpen, Belgium.

Email: info@javac.be Tel: +32 (0) 3666 4417 www.javac.eu

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