

UPS Online Double Conversion Modular

3 Phase / 3 Phase

Series MJ (100 ~200 KVA)

UPS HT-MJ Series With extendable capacity up to 200KVA/200KW in each closet and full DSP control technology, is the third generation of three phase high frequency modular UPS. All internal modules (power module, charger module and monitor module) are modularly designed and hot swappable. In addition, they are constructed with small modules, assuring both system compactness and reliability. Its full isolation design between fragile components and air flue makes the best of combination of reliability, functionality and flexibility. Moreover, this system adopts advanced "N+X" wireless parallel and redundancy technology, avoiding single point failure, and further strengthening the reliability.



Specifications

- Advanced dual-core DSP control technology
- True On-line, double conversion power protection, and with strong load capacity
- Compact footprint, modular Hot-swappable design simplifying maintenance and scalability
- High efficiency up to 96% in on-line mode, 99% efficiency in ECO mode
- Dual input design, independent bypass available, improving bypass availability
- Output power factor 1.0, input power factor ≥ 0.99 , input THDi $\leq 3\%$, output THDv $\leq 1\%$
- 138 ~ 485 Vac wide input voltage range, 50 Hz / 60 Hz grid self-adaptive
- Frequency conversion available: 50 Hz input / 60 Hz output or 60 Hz input / 50 Hz output
- Advanced digital parallel technology, improving redundancy and reliability in system
- Flexible charger parameter and battery configuration settings, battery number 30 ~ 46 pcs selectable
- Compatible with lead-acid battery and lithium battery, suitable for different types of battery configuration requirements
- Support cold start with battery and auto restart with mains power
- Settable delay time for startup when the mains power is restored, reducing the impact on the grid or generators
- Fan speed varies intelligently with temperature, reducing noise and extending the service life of the fan
- Fault-tolerant design for fan system, taking 35% loads when any one of fans fails
- Superior hardware and software protection function, robust self-diagnostic function, and abundant event log
- Hibernation function to improve the system efficiency at light loads and extend the service life of UPS
- Powerful background software for parameters configuration and online updating
- 7 inches LCD touch screen, friendly human-machine interface
- Multi-platform communications: RS485, CAN, NET, dry contacts, SNMP, Wi-Fi and 4G communication interfaces; Real-time monitoring UPS available through the mobile App after installing Wi-Fi card and 4G card
- Intelligent battery management, automatic floating/equalizing charge control, battery self-diagnosis control, SOC detection, SOH detection and charger hibernation control, extending battery lifespan

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MODEL		MJ 100	MJ 150	MJ 200
POWER	KVA	100 KVA	150 KVA	200 KVA
	KW	100 KW	150 KW	200 KW
	Numbers of parallel module	1~4	1~6	1~8
	Numbers of redundancy module	0~3		0~7
	UPS power module	25 KVA / 25 KW		
Input	Rated Voltage	380 V/ 400 V/ 415 V		
	Voltage range	138 ~ 305 Vac (linear derating at 40% ~ 100% load)		
		305 ~ 485 Vac (no derating)		
	Rated frequency	50 / 60 Hz (auto-sense)		
	frequency range	40 ~ 70 Hz		
	Power factor	≥ 0.99		
	Total harmonic distortion (THDI)	≤ 3%		
OUTPUT	Bypass voltage range	-60% ~ +25% (settable)		
	Voltage	380 Vac / 400 Vac / 415 Vac		
	Voltage regulation	± 1%		
	Frequency	Synchronized with utility in mains mode		
		50 / 60 Hz ± 0.1% in battery mode		
	Power factor	1.0		
	Waveform	Pure sine wave		
	Crest factor	3 : 1		
	Total harmonic distortion(THDV)	≤ 1% (linear load); ≤ 3% (non-linear load)		
	Transfer time	0 ms		
	Inverter overload capability	110% ~ 125%: transfer to bypass in 10 mins		
125% ~ 150%: transfer to bypass in 1 min > 150%: transfer to bypass in 0.2 s				
Bypass overload capability	≤ 150%: long time running			
	> 150%: power off in 10 s			
BATTERIES	DC voltage	± 240Vdc (±180 ~ ± 276Vdc settable)		
	Inbuilt battery of standard model	40 pcs 12V batteries (30, 32, 34, 36, 38, 40, 42, 44, 46 pcs settable)		
	Charging current	1 ~ 30 A / 60 A (settable via LCD)		
SYSTEM	Efficiency	≥ 94%		
	Display panel	7 Inches LCD touch screen		
	Alarm	battery mode, low battery , fans fault etc		
	EMI	EN62040-2		
	EMS	Standard configurations: RS485, CAN, NET, SNMP, dry contacts port, and EPO Optional configurations: Wi-Fi card, parallel port, LBS port, 4G card, Battery temperature sensor, EMD		
OTHERS	Humidity	0 ~ 95% RH @ 0 ~ 40°C (non-condensing)		
	Max. number of parallel connections	2		
	Protections	Short-circuit, overload, over-temperature, battery low voltage, undervoltage, overvoltage, fan failure protection		
	Noise level	≤ 60 dB		
PHYSICAL	UPS dimensions (mm) WxDxH	600 x 850 x 1200	600 x 850 x 1800	600 x 850 x 2000
	Net weight (kg)	180	250	280
	Module dimensions (WxDxH) (mm)	442 x 6200 x 86		
	Module dimensions (WxDxH)(mm)	Module dimensions (WxDxH) (mm)		
	Power module weight (kg)	21		