



INVT Power System

Power Solution Specialist













Stock code: 002334









About us

INVT Power, a key high-tech company, subsidiary company of INVT Group (Stock code: 002334), is the leading total power solution provider in China.

Over the past years, we are being dedicated to providing high quality products and service to global customers. So far, we have gained more than 600 patents and our customers and partners are from more than 80 countries and areas in government, finance, internet, communication, traffic, electric and industry. With the high quality and top-class services, we are adding values to all our customers.

We aim at offering fast customized solutions to our customers and continuous innovation for more competitive products and services.

Warmly welcome to be our distributor and partner. Meanwhile, we can provide OEM and ODM production and service for the clients all around the world.





Shenzhen Industrial park







Fuyong production base





How we make difference

Research and Innovation

- 12 Research centers
- 13% sales revenue for research and innovation
- IPD integrated products development system
- TUV witness Qualification LAB in Power Industry
- 900 Intellectual Property Right,30% more than average level















- TUV Witness Qualification LAB
- UL Witness Qualifications LAB



Mechanical Test Lab



Thermal Test Lab



EMC Lab



Lightning Strike Test Lab



Components Test Lab



Heat Shock Lab



Performance Test Lab



Environmental Test Lab









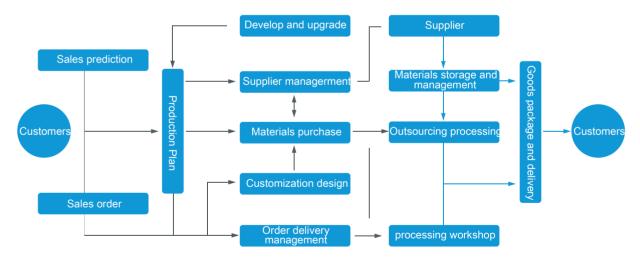




Production Management System

INVT Power ensures high quality products and fast response to our customers by applying advanced Supply Chain Management System based on Quality Control Management, Delivery Management, Service and Strategic Control System.

INVT applies Standardized Operational System. We standardizes the operational process for production, ensuring effectiveness, quality and cost control.



High Efficiency Supply

INVT Power adopts the most advanced international production mode as ISCM, JIT and LEAN, ensuring high efficiency and fast supply.







Honor

A state-level Hi-tech enterprise

National outstanding energy-saving enterprise

Famous brand of Guangdong province

Top 100 independent innovation enterprise

Top 10 China customer satisfaction brand

Procurement finalists brand by central governments























Quality Assurance

We apply comprehensive quality assurance to ensure the quality control of the whole product life circle



- \bullet R&D and production management system certificated by TUV and ISO9001:2008
- Environmental Management System: ISO14001: 2004
- Occupational Health and Safety Management OHSAS 18001:2007















Contents

RM Series Modular Online UPS (25-600kVA)	01
RM Series Rack-Mounted Modular Online UPS (25-200kVA)	07
RM Series Rack-Mounted Modular Online UPS (10-90kVA)	09
RM Series Modular Online UPS (20-200kVA)	11
RM Series In-built Battery Modular Online UPS (20-60kVA)	13
RM Series Modular Online UPS (40-500kVA)	15
HT33 Series Tower Online UPS (60-500kVA)	17
HT33 Series Tower Online UPS (10-40kVA)	19
HT33-TX Series Tower Online UPS (10-40kVA)	21
HR33 Series Rack Online UPS (10-25kVA)	23
HT31 Series Tower Online UPS (10-40kVA)	25
HT11 Series Tower Online UPS (6-10kVA)	27
HT11 Series Tower Online UPS (1-3kVA)	29
HR11 Series Rack Online UPS (1-10kVA)	31
BU Series Offline UPS	33
DIV Series Power Inverter	34
Rack battery cabinet	35
Smart Remote Monitor	36
Smart Charging Module	37
Energy Absorbing Unit	38
24A External Charger	39
Load Bus Synchronization	40
Battery Cabinet	41
MF Series Sealed Lead Acid Battery	42



RM Series Modular Online UPS 25-600kVA (380V/400V/415V)

The RM series modular UPS provides the most compact footprint of less than 2m² with maximum capacity of 900kVA. With best reliability and high performance, it has been leading the domestic market for years.

RM series is considered to be the best power protection solution for large data centers, as well as for sensitive electronics.





Independent LCD for Each Power Module

Each power module has an independent LCD, gives users' direct overview of status data and alarms in real time.





Friendly Interface

Provide graphical and text based information of alarms, status data, instructions that users can have more friendly and safer operation.





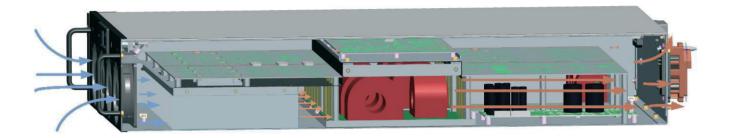




Isolated Air Flow

The dedicated and redundant hot-swappable power modules take the most unique structure design. In this design, the PCB boards and heat-sinkers are in two completely different layers, which allows the UPS run in dusty environments, significantly improving its stability and environmental adaptability.

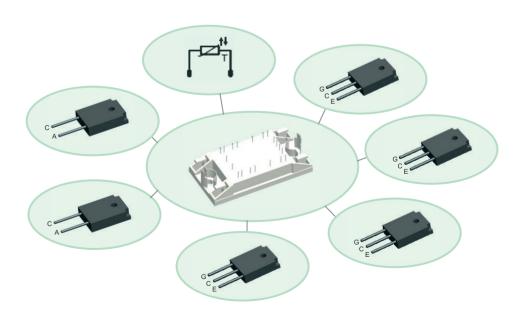
- Cooling air flows in the lower layer, keeping the upper PCB free of dust
- One air flow channel ensures fans redundancy, even one fan fails, power module can run normally



Unique Design for High Reliability

Instead of discrete IGBT and SCR components, RM series UPS uses modular IGBT and SCR in Rectifier and Inverter, bringing in extremely high reliability.

- All components in one module, less fault points, higher reliability
- All components integrated as one modular design, smaller disparity
- Less space needed, UPS with compact design and higher power design
- Integrated inner thermal sensors display IGBT inner temperature directly





High Density ,Modular, Scalable

- High power density, footprint for 300kVA is 0.66m², power density 409kW/m², saving valuable data center space
- Scalable from 30kVA to 900kVA, max 30 power modules in parallel





Three units in parallel

- Inherently N+X redundant
- Hot swappable power module and bypass & monitoring module
- Additional charging module, extra charging current 50ANs for long time back up application



Bypass & Monitoring module



Power module





Comprehensive Monitoring Management

In each power module, information of critical components is monitored and displayed in real time, giving customers a view of inner status of the system and providing reminder information for maintenance.

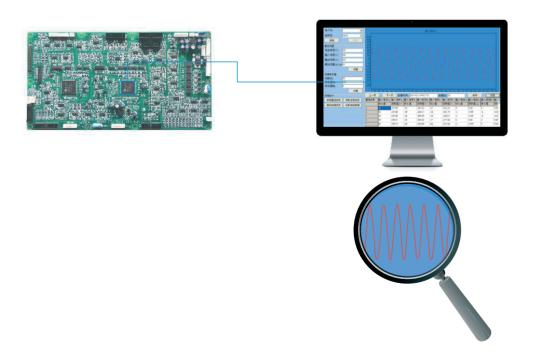
- Maintenance reminder, running time of capacitors and fans displayed and recorded
- Comprehensive temperature monitoring for thermal abnormal detection
- Intelligent battery charger for long battery life



Critical Waveform Recording

UPS can record and save the data of the main parameters automatically when faults happen for further analysis.

- Can record data information and present as waveform for further analysis
- Can easily spot the causes of the failures, avoid future similar faults

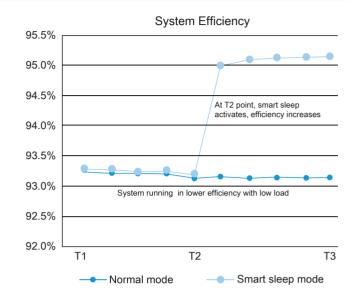




Smart Sleep

Smart Sleep function can intelligently make some power modules go to sleep when load is relatively low, improving the efficiency of the remaining power modules and saving customers on power and cooling costs.

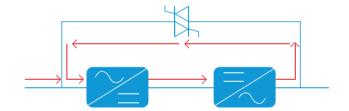
- Improving efficiency ,reducing power and cooling costs
- Easy setting with just two steps. Customers can select sleep mode and rotation period
- Power modules working in rotation, prolong the life time



Self-aging

Self-aging is an advanced function applied in all three phase UPS, Self-aging function can test UPS under different load situation without real load, saving more than 90% of energy.

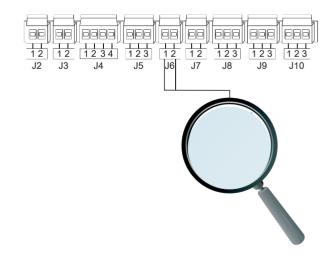
- Simulate different load conditions without connecting to any real load, saving 90% of energy
- On site setting supported, easy for factory testing



Programmable Dry Contacts

Programmable dry contacts are available in all RM and HT33 series UPS. Customers can easily expand or modify the definition of each port.

- Abundant options with three inputs and four outputs, all programmable
- Easy setting, just pull the drop-down menu and set
- Compatible with all the RM and HT33





MODEL			RM600/30X	RM300/30X	RM180/30X	RM500/25X	RM250/25X	RM150/25X	
System	Capacity		600kVA	300kVA	180kVA	500VA	250kVA	150kVA	
Power M	lodule Capac	ity		30kVA/27kW			25kVA/25kW		
	Dual Input				Opti	onal			
	Phase			3 Phase+Ne	utral+Ground,	380V/400V/4	15V(line-line)		
lanut	Input Volta	ge Range	228V~304V	3 ac (line-line),lo		ne-line),full load nearly accordin		hase voltage	
Input	Rate Frequ	iency			50/6	0Hz			
	Input Frequ	iency Range			40Hz -	~ 70Hz			
	Input PF				>0	.99			
	Input THDi		<3% (100% Linear load)						
	Rate Volta	ge			380/400/415\	'AC (line-line)			
	Rate Frequ	uency			50/6	0Hz			
Bypass	Input Volta	ige Range			Settable, -4	10% ~ +25%			
	Bypass Fr	equency Range				z, ±3Hz, ±5Hz			
	Bypass Ov	verload	110% loi	ng term operat	ion; 125% for	5 mins ;150%	for 1 min; 400	0% for 1s	
	Rate Volta	-				'AC (line-line)			
	Voltage Re			1% for bala		% for unbalan	ce load		
	Rate Frequ					60Hz			
Output	Output Frequency Precision				0.	1%			
	Output PF			0.9 1 <a active="" href="https://www.new.new.new.new.new.new.new.new.new.</td></tr><tr><td></td><td colspan=2>Output THDu</td><td></td><td><1% , l</td><td></td><td></td><td>ear load</td><td></td></tr><tr><td></td><td>Crest Fact</td><td></td><td>4400/ 5</td><td>4.1 405</td><td></td><td>:1</td><td> 4500/ 5</td><td>000</td></tr><tr><td></td><td>Inverter O</td><td>verioad</td><td>110% 10</td><td>or 1 hour; 125°</td><td></td><td>;150% for 1 m
)VDC</td><td>iin; >150% for</td><td>200 ms</td></tr><tr><td></td><td>Voltage</td><td>unale au</td><td></td><td>10ncs (S</td><td></td><td></td><td>32 to 44)</td><td></td></tr><tr><td>Battery</td><td>Battery Nu</td><td></td><td colspan=7>40pcs (Settable: even number from 32 to 44) ±1%</td></tr><tr><td>Dattery</td><td>Voltage Pr</td><td></td><td colspan=7>up to 20% * Output active power</td></tr><tr><td></td><td>Charge Po
Battery Co</td><td></td><td colspan=7>up to 20% " output="" power="" standard<="" td="">					
	Dallery Co	AC Mode				5%			
	Efficiency	ECO Mode				0%			
		Battery Mode				0%			
	Display	Dattery Wode		10.4" colo		LCD + LED +	- keyboard		
	IP Class					20	•		
	Interface			RS232,RS		mable Dry Co	ntact, USB		
System	Option		SNMP C	ard, Parallel ki	t, SPD, LBS,E	Oust filter, Exp	ansion dry cor	ntact card	
	Temperatu	ıre		Operat	ion: 0 ~ 40 °C	Storge: -40	~ 70 °C		
	Relative H				0 ~ 95% Non				
	Altitude	-	<1000m	. Within 1000r	n to 2000m, p	ower derate 1	% for every 10	00m rise	
	Noise (1 meter)		72dB@100%load 65dB@45%load	65dB@1 62dB@4	00%load 15%load	72dB@100%load 65dB@45%load		00%load 45%load	
	Applicable	Standards	Safety: IEC/E	N 62040-1-1	EMC: IEC/EN	62040-2 Per	formance: IEC	C/EN 62040-3	
		Cabinet	660	220	165	660	220	165	
Dhysiaal	Weight (kg	Power module		34			33		
Physical	Dimension	Cabinet	2000*1050*2000	600*1100*2000	600*1100*1600	2000*1050*2000	600*1100*2000	600*1100*1600	
		n) Power module			460*79	90*134			



RM Series Rack-Mounted Modular Online UPS 25-200kVA (380V/400V/415V)

The RM Series Rack Mounted Modular UPS is scalable, hot-swappable, online double conversion. The power capacity is from 25 to 200kVA/kW, it's the ideal choice for modern data center. With the latest IGBT three-level and full DSP control technology, the new RM series delivers the best combination of reliability and flexibility.



RM150-25C (6 slots)



RM200-25C (8 slots)

Application

IDC(Internet Data Center), network servers and workstation, control system, communication system, office, PC etc

Features

- · High Power Density
- 25kVA power module in 2U height, saving great amount of space, easy for capacity expansion
- · Rack Modular Design

Module design, compatible with 19" standard rack cabinet, convenient to be integrated with servers

- · Battery Cold Start
- UPS can be powered on from the battery without utility
- · Friendly Interface

Touch LCD display with abundant information



MODEL			RM150/25C	RM200/25C			
System (Capacity		150kVA/150kW	200KVA/200kW			
Power M	lodule Capac	eity	25kVA	√25kW			
	Dual Input		Optional	Standard			
	Phase		3 Phase+Neutral+Ground,	380V/400V/415V(line-line)			
Input	Input Volta	ge Range		ne-line),full load; inearly according to the min phase voltage			
прис	Rate Frequ	iency	50/6	60Hz			
	Input Frequ	uency Range	40Hz -	~ 70Hz			
	Input PF		>0	.99			
	Input THD	i	<3% (100%	Linear load)			
	Rate Volta	ge	380/400/415VAC (line-line)				
	Rate Freque	uency	50/60Hz				
Bypass	Input Volta	ige Range	Settable, -4	40% ~ + 25%			
	Bypass Fr	equency Range	Settable, ±1Hz				
	Bypass Ov	/erload	110% long term operation; 125% for s	5 mins ;150% for 1 min; >150% for 1s			
	Rate Volta	ge	380/400/415V	/AC (line-line)			
	Voltage Re	egulation	±1(0~100% lii	near load)			
	Rate Freque	•	50/6	60Hz			
Output	Frequency	Precision	0.	1%			
	Output PF			1			
	Output TH		<% , Linear load; <6				
	Crest Fact			:1			
	Inverter O	verload		;150% for 1 min; >150% for 200 ms			
	Voltage		±240VDC				
	Battery Nu		40pcs (Settable: even number from 32 to 44)				
Battery	Voltage P			1%			
	Charge Po			put active power			
	Battery Co	old Start		ndard			
	⊏#:aiana	AC Mode		0%			
	Efficiency	ECO Mode		0%			
		Battery Mode		5%			
	Display			LCD + LED + keyboard			
	IP Class			20 rammable Dry Contact			
System	Interface						
	Option		PDU for RM150/25C,SNMP				
	Temperatu		·	Storge: -40 ~ 70 °C			
	Relative H	umidity	0 ~ 95% Non	•			
	Altitude	otor)		ower derate 1% for every 100m rise			
	Noise (1 m			I, 62dB @ 45% load			
	Applicable		Safety: IEC/EN 62040-1-1 EMC: IEC/EN 62040-2 Performance: IEC/EN 620				
	Weight (kg) Cabinet	140	160			
Physical	.	Power module		8			
	Dimension		482*916*931	482*916*1550			
	ווווו)רו ט ייי	n) Power module	436*67	//^85			



RM Series Rack-Mounted Modular Online UPS 10-90kVA (380V/400V/415V)

The rack modular, scalable, hot-swappable, online double conversion UPS ranging from 10 to 90kVA, with its flexible configuration of 3/3, 3/1 and 1/1, compact structure, is the ideal choice for small and medium data center.





Features

Rack modular design

Modular design, compatible with 19" standard rack cabinet, convenient to be integrated with servers

High power density

10/15kVA power module in 2U height, saving great amount of space, easy for capacity expansion

Integrated solution for data center

UPS can be integrated with battery cabinet, PDU and external maintenance bypass, offering excellent choice for data center

Intelligent charging management

The system intelligently control the whole process of the charging and discharging, effectively improving the life time of the battery

Flexible configuration

The system based on 10kVA power module can be configured to 3/3, 3/1 and 1/1 without derating

Friendly interface

7" touch color LCD with graphic display, more information displayed and easier for customer to operate

Smart sleep function

System can intelligently shutdown some power modules to increase total load rate, achieving higher efficiency

Self-aging mode

Energy internal circle technology, system can run with full load ,saving more than 90% energy



MODEL			RM060/10X	RM040/10X	RM020/10X	RM090/15X	RM045/15X	RM030/15X		
System (Capacity		60kVA	40kVA	20kVA	90VA	45kVA	30kVA		
Power M	lodule Capad	city		10kVA/10kW			15kVA/15kW			
	Dual Input				Stan	idard				
	Phase			3 Phase+Ne	utral+Ground,	380V/400V/4	15V(line-line)			
lament	Input Volta	ige Range	228V~304V	ac (line-line),lo		ne-line),full load inearly accordi		nase voltage		
Input	Rate Frequ	uency			50/6	60Hz				
	Input Frequ	uency Range			40Hz ~	~ 70Hz				
	Input PF				>0	.99				
	Input THD	i	<4% (100% Linear load)							
	Rate Volta	age			380/400/415V	/AC (line-line)				
	Rate Freq	uency			50/6	60Hz				
Bypass	Input Volta	age Range			Settable, -4	10% ~ +25%				
, , , , , , , , , , , , , , , , , , ,	Bypass Fr	requency Range		;	Settable, ±1Hz	z, ±3Hz, ±5Hz				
	Bypass O	verload		m operation; 130 1 min; >150% f			m operation; 13 1 min; >150% f			
	Rate Volta	age			380/400/415V	/AC (line-line)				
	Voltage R	egulation		1% for bala	ance load; 1.5	% for unbalan	ce load			
	Rate Freq	uency			50/6	0Hz				
Output	Frequency	y Precision	0.1%							
Output	Output PF		1							
	Output TH	lDu	<1% , Linear load; <5.5%, Non-linear load							
	Crest Fact	tor			3	:1				
	Inverter O	verload	110% for 1 hour; 125% for 10 mins ;150% for 1 min; >150% for 200 ms							
	Voltage		±240VDC							
	Battery N	umber	40pcs (Settable: even number from 32 to 44)							
Battery	Voltage P		±1%							
	Charge P			up		put active pow	ver er			
	Battery Co	old Start	Optional							
	⊏ 	AC Mode				0%				
	Efficiency	ECO Mode				0%				
	Disales	Battery Mode		7 0" color		5% LCD + LED +	kovboard			
	Display			7.0 00101			Reyboard			
	IP Class Interface			RS232		20 ammable Dry	Contact			
System			SNMP Ca	rd, Parallel kit,		•		art function		
	Option Temperatu	ıro	OIVIII OU	· ·	·	Storge: -40	•	art rariotion		
	Relative H			Operat	0 ~ 95% Non		~ 10 C			
	Altitude	lamaity	<1000m	ı. Within 1000r			% for every 10)∩m rise		
	Noise (1 m	neter)	1100011	. *************************************		50% load	70 TOT CVCTY TO	om nac		
		Standards	Safety: IFC/F	EN 62040-1-1			formance: IEC	:/FN 62040-3		
		Cahinet	85	51	42	85	55	42		
	Weight (kg	Power module	30	15.3	. <u>-</u>	30	15.5	. 		
Physical	Dimension		485*751*1033	485*697*575	485*697*398	485*751*1033	485*751*575	485*697*398		
		m) Power module	.55 701 1000	.00 001 010	436*5		.00 101 010	.00 001 000		
		, I ower module			430 3	30 00				



RM Series Modular Online UPS 20-200kVA (380V/400V/415V)

RM series is modular online UPS for sensitive equipments. The single cabinet power rating covers from 20kVA to 200kVA. With the latest IGBT three-level and full DSP control technology, the RM series delivers the best of combination of reliability, hot-swappable and flexibility.







Features

Modular design

Up to 20 power modules in parallel online hot-swappable N+X redundancy

Independent charger

Independent charger for each module and intelligently control the whole charging process, prolong the life time of the battery

Battery cold start

UPS can be powered on from the battery without utility

Easy connection access

Top and bottom cable entry connection are supported, more convenient for site installation

Modular design with transformer

Modular UPS up to 60kVA with in-built isolation transformer, meeting different requirement for customers

High power density

200kVA with footprints of about $0.5\,\mbox{m}^{2}$,saving valuable data center space

Integrated IGBT design

Integrated IGBT in one module, less failure points with higher performance and reliability

Friendly interface

Touch LCD display with abundant information

Independent air channel

Cooling air runs in isolated channel, keeping PCB free of dust





MODEL			RM200/20	RM120/20 RM060/20				
System (Capacity		200kVA	120kVA	60kVA			
Power M	lodule Capac	city		20kVA/18kW				
	Dual Input			Optional				
	Phase		3 Phase+Ne	utral+Ground, 380V/400V/4	15V(line-line)			
lana et	Input Volta	ge Range		804~478Vac (line-line),full load ad decreases linearly accordi				
Input	Rate Frequ	iency		50/60Hz				
	Input Frequ	uency Range		40Hz ~ 70Hz				
	Input PF			>0.99				
	Input THD	i		<3% (100% Linear load)				
	Rate Volta	ige	380/400/415VAC (line-line)					
	Rate Freq	uency		50/60Hz				
Bypass	Input Volta	age Range		Settable, -40% ~ +25%				
	Bypass Fr	equency Range	;	Settable, ±1Hz, ±3Hz, ±5Hz				
	Bypass Ov	verload	125% long term operation	; 130% for 1 hour ;150% for	6 mins; 1000% for 100ms			
	Rate Volta	ige		380/400/415VAC (line-line)				
	Voltage Re	egulation	1% for bala	ance load; 1.5% for unbalan	ce load			
	Rate Freq	uency		50/60Hz				
Output	Frequency	/ Precision		0.1%				
Output	Output PF		0.9					
	Output TH	Du	<1% , Linear load; <5.5%, Non-linear load					
	Crest Fact	or		3:1				
	Inverter O	verload	110% for 1 hour; 125°	% for 10 mins ;150% for 1 m	nin; >150% for 200 ms			
	Voltage		±240VDC					
	Battery No	umber	40pcs (Settable: even number from 32 to 44)					
Battery	Voltage P	recision	±1%					
	Charge Po	ower	up to 20% * Output active power					
	Battery Co	old Start	Standard					
		AC Mode		95.0%				
	Efficiency	ECO Mode		99.0%				
		Battery Mode	5.711	95.0%				
	Display		5./" to	uch screen LCD + LED + ke	yboard			
	IP Class		D0000 D0	IP 20				
System	Interface			485, Programmable Dry Co				
	Option			Card, Parallel kit, SPD, LB				
	Temperatu		Operat	ion: 0 ~ 40 °C Storge: -40	~ 70 °C			
	Relative H	umidity		0 ~95% Non-condensing				
	Altitude		<1000m. Within 1000r	m to 2000m, power derate 1	% for every 100m rise			
	Noise (1 m			55dB @ 50% load				
	Applicable			EMC: IEC/EN 62040-2 Per				
	Weight (kg	Cabinet	180	150	105			
Physical		Power module		22				
	Dimension		600*900*2000	600*900*1600	600*900*1100			
	w.D.H(mu	n) Power module		440*590*134				



RM Series In-built Battery Modular Online UPS 20-60kVA (380V/400V/415V)

RM060/20B series are modular online UPS with hot-swappable battery. The single cabinet power rating covers from 20kVA to 60kVA which delivers the best of combination of reliability, hot-swappable and flexibility.

With intelligent battery protection and management technology, RM060/20B realises a compact total power solution which is easy for installation, maintenance and power expansion.



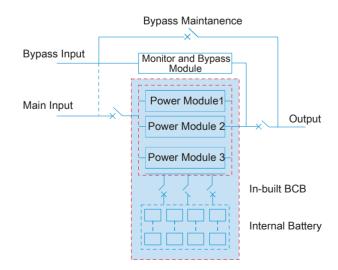


Features

- Modular design with swappable battery package
- Monitor system for battery
- Integrated IGBT module with improved performance and reduced size
- Easy for installation and maintenance
- Easy for power expansion and backup time expansion

- Intelligent protection technology for safe and reliable hot swappable battery package of the system
- Smart charging management system, Intelligently control the whole process of the charging and discharging, effectively improving the life time of the battery
- · Battery cold start
- Friendly human machine interface with touch screen







System Capacity 60kVA 70kVA 70	MODEL			RM060/20B				
Dual Input	System	Capacity		60kVA				
Phase	Power M	odule Capac	city	20kVA/18kW				
Input Voltage Range		Dual Input		Optional				
Input Nate		Phase		3 Phase+Neutral+Ground, 380V/400V/415V(line-line)				
Input Frequency Range	lanut	Input Volta	ge Range					
Input PF	input	Rate Frequ	iency	50/60Hz				
Input THDi		Input Frequ	uency Range	40Hz ~ 70Hz				
Rate Voltage		Input PF		>0.99				
Rate Frequency		Input THD	i	<3% (100% Linear load)				
Input Voltage Range		Rate Volta	ige	380/400/415VAC (line-line)				
Bypass Frequency Range Settable, ±1Hz, ±3Hz, ±5Hz		Rate Freq	uency	50/60Hz				
Bypass Overload 125% long term operation; 130% for 1 hour; 150% for 6 mins; 1000% for 100ms	Bypass	Input Volta	age Range	Settable, -40% ~ +25%				
Rate Voltage		Bypass Fr	equency Range	Settable, ±1Hz, ±3Hz, ±5Hz				
Voltage Regulation		Bypass Ov	verload	125% long term operation; 130% for 1 hour ;150% for 6 mins; 1000% for 100ms				
Rate Frequency 50/60Hz		Rate Volta	ige	380/400/415VAC (line-line)				
Prequency Precision 0,1% 0.9 0.9 0.0		Voltage R	egulation	1% for balance load; 1.5% for unbalance load				
Output PF 0.9 Output THDu <1% , Linear load; <5.5%, Non-linear load		Rate Freq	uency	50/60Hz				
Output PF 0.9 Output THDu <1% , Linear load; <5.5%, Non-linear load	Output	Frequency	/ Precision	0.1%				
Crest Factor	Output	Output PF		0.9				
Inverter Overload		·		<1% , Linear load; <5.5%, Non-linear load				
Voltage		Crest Fact	tor	3:1				
Battery Number		Inverter O	verload	110% for 1 hour; 125% for 10 mins ;150% for 1 min; >150% for 200 ms				
Battery Voltage Precision		Voltage		$\pm 240VDC$				
Charge Power Up to 20% * Output active power		Battery No	umber	40pcs (Settable: even number from 32 to 44)				
Battery Cold Start	Battery	Voltage P	recision	±1%				
Efficiency		Charge Po	ower	up to 20% * Output active power				
Efficiency		Battery Co	old Start	Standard				
Battery Mode Display IP Class IP 20 Interface Option Temperature Relative Humidity Altitude Noise (1 meter) Applicable Standards Weight (kg) Physical Battery Mode 5.7" touch screen LCD + LED + keyboard IP 20 RS232,RS485, Programmable Dry Contact SNMP Card, Parallel kit, SPD, LBS, Dust filter Operation: 0 ~ 40 °C Storge: -40 ~ 70 °C Relative Humidity 0 ~ 95% Non-condensing Altitude < 1000m. Within 1000m to 2000m, power derate 1% for every 100m rise 55dB @ 50% load Applicable Standards Safety: IEC/EN 62040-1-1 EMC: IEC/EN 62040-2 Performance: IEC/EN 62040-3 Weight (kg) Cabinet: 205kg Power module: 22kg Battery package: 10kg (without battery) Physical Dimension W*D*H(mm) Cabinet Power module 440*590*134			AC Mode	95.0%				
Display IP Class IP 20 Interface RS232,RS485, Programmable Dry Contact Option Temperature Relative Humidity Altitude Noise (1 meter) Applicable Standards Weight (kg) Physical Display 5.7" touch screen LCD + LED + keyboard IP 20 RS232,RS485, Programmable Dry Contact SNMP Card, Parallel kit, SPD, LBS, Dust filter Operation: 0 ~ 40 °C Storge: -40 ~ 70 °C Relative Humidity 0 ~ 95% Non-condensing Altitude <1000m. Within 1000m to 2000m, power derate 1% for every 100m rise 55dB @ 50% load Applicable Standards Safety: IEC/EN 62040-1-1 EMC: IEC/EN 62040-2 Performance: IEC/EN 62040-3 Weight (kg) Cabinet Fower module Cabinet Power module 440*590*134		Efficiency	ECO Mode	99.0%				
IP Class IP 20 Interface Option SNMP Card, Parallel kit, SPD, LBS, Dust filter Temperature Operation: 0 ~ 40 °C Storge: -40 ~ 70 °C Relative Humidity O ~ 95% Non-condensing Altitude Noise (1 meter) Applicable Standards Weight (kg) Safety: IEC/EN 62040-1-1 EMC: IEC/EN 62040-2 Performance: IEC/EN 62040-3 Weight (kg) Cabinet: 205kg Power module: 22kg Battery package: 10kg (without battery) Cabinet Power module Power module IP 20 RS232,RS485, Programmable Dry Contact SNMP Card, Parallel kit, SPD, LBS, Dust filter Operation: 0 ~ 40 °C Storge: -40 ~ 70 °C Storge: -40 ~ 70 °C Storge: -40 ~ 70 °C Applicable Storge: -40 ~ 70 °C Relative Humidity O ~ 95% Non-condensing Storge: -40 ~ 70 °C Relative Humidity O ~ 95% Non-condensing Storge: -40 ~ 70 °C Relative Humidity O ~ 95% Non-condensing Altitude Storge: -40 ~ 70 °C Relative Humidity O ~ 95% Non-condensing Storge: -40 ~ 70 °C Relative Humidity O ~ 95% Non-condensing Altitude Storge: -40 ~ 70 °C Relative Humidity O ~ 95% Non-condensing Altitude Storge: -40 ~ 70 °C Relative Humidity O ~ 95% Non-condensing Altitude Storge: -40 ~ 70 °C Relative Humidity O ~ 95% Non-condensing Altitude Storge: -40 ~ 70 °C Relative Humidity O ~ 95% Non-condensing Altitude Storge: -40 ~ 70 °C Relative Humidity O ~ 95% Non-condensing Altitude Storge: -40 ~ 70 °C Relative Humidity O ~ 95% Non-condensing O ~			Battery Mode					
Interface RS232,RS485, Programmable Dry Contact		Display		5.7" touch screen LCD + LED + keyboard				
Option SNMP Card, Parallel kit, SPD, LBS, Dust filter Temperature Operation: 0 ~ 40 °C Storge: -40 ~ 70 °C Relative Humidity Altitude Noise (1 meter) Applicable Standards Weight (kg) Physical Physical SNMP Card, Parallel kit, SPD, LBS, Dust filter Operation: 0 ~ 40 °C Storge: -40 ~ 70 °C 8		IP Class						
Option SNMP Card, Parallel kit, SPD, LBS, Dust filter Temperature Operation: 0 ~ 40 °C Storge: -40 ~ 70 °C Relative Humidity Altitude Noise (1 meter) Applicable Standards Weight (kg) Safety: IEC/EN 62040-1-1 EMC: IEC/EN 62040-2 Performance: IEC/EN 62040-3 Weight (kg) Cabinet: 205kg Power module: 22kg Battery package: 10kg (without battery) Cabinet Dimension W*D*H(mm) Power module Power module	System	Interface						
Relative Humidity Altitude Noise (1 meter) Applicable Standards Weight (kg) Physical Physical Relative Humidity 0 ~ 95% Non-condensing <1000m. Within 1000m to 2000m, power derate 1% for every 100m rise 55dB @ 50% load Safety: IEC/EN 62040-1-1 EMC: IEC/EN 62040-2 Performance: IEC/EN 62040-3 Weight (kg) Cabinet: 205kg Power module: 22kg Battery package: 10kg (without battery) 600*1020*2000 440*590*134	Cyclom	Option		SNMP Card, Parallel kit, SPD, LBS, Dust filter				
Altitude <pre></pre>		Temperatu	ıre	Operation: 0 ~ 40 °C Storge: -40 ~ 70 °C				
Noise (1 meter) Applicable Standards Weight (kg) Safety: IEC/EN 62040-1-1 EMC: IEC/EN 62040-2 Performance: IEC/EN 62040-3 Weight (kg) Cabinet: 205kg Power module: 22kg Battery package: 10kg (without battery) Cabinet Dimension W*D*H(mm) Power module Power module		Relative H	umidity	0 ~95% Non-condensing				
Applicable Standards Weight (kg) Safety: IEC/EN 62040-1-1 EMC: IEC/EN 62040-2 Performance: IEC/EN 62040-3 Weight (kg) Cabinet: 205kg Power module: 22kg Battery package: 10kg (without battery) Cabinet 600*1020*2000 W*D*H(mm) Power module Power module		Altitude		<1000m. Within 1000m to 2000m, power derate 1% for every 100m rise				
Weight (kg) Cabinet: 205kg Power module: 22kg Battery package: 10kg (without battery) Cabinet Dimension W*D*H(mm) Power module Cabinet Power module 440*590*134		Noise (1 meter)		55dB @ 50% load				
Physical Dimension W*D*H(mm) Cabinet Cabinet Power module 600*1020*2000 440*590*134 600*1020*2000		Applicable Standards		Safety: IEC/EN 62040-1-1 EMC: IEC/EN 62040-2 Performance: IEC/EN 62040-3				
Physical Dimension W*D*H(mm) Power module 440*590*134		Weight (kg)	•				
W*D*H(mm) Power module 440*590*134	Physical	Dimension	Cabinet	600*1020*2000				
	. Hydidai		D 1.1	440*590*134				
Battery package 120*824*177		,	*	120*824*177				



RM Series Modular Online UPS 40-500kVA (380V/400V/415V)

The RM series modular, online UPS ranging from 40kVA to 500kVA is designed to protect any critical load for medium and large data center achieving maximum availability. The RM series feature the latest technology of 3-level technology and PFC input control, which guarantees high efficiency of 96% and ultra-reliability. Its compact design ensures power density of 500kVA in one cabinet, 3 units can be paralleled for capacity or redundancy up to 1500kVA, making it an excellent choice for medium and large facilities.





Features

Compact design

500kVA in one cabinet, footprint less than $1.45m^2$, saving valuable room space

High power density 50kVA power module in 4 U height, easy for capacity expansion

High efficiency Advanced 3-level technology guarantees high efficiency operating in double conversion mode up to 96%

Intelligent charging management
The system intelligently control the whole process
of the charging and discharging, effectively
improve the life time of the battery

High scalability

The system can be configured from 40kVA to 500kVA in one single cabinet,3 units in parallel for a capacity up to 1500kVA

Friendly HMI

10.4" touch color LCD with graphic display, independent LCD for each power module

Smart sleep function

System can intelligently shutdown some power modules to increase total load rate, achieving higher efficiency

Multi communication interface Provide RS232,RS485,USB,SNMP,AS400 and programmable dry contacts



Soleton Capacity	MODEL			RM500/50X	RM300/50X	RM200/50X	RM100/50X	RM400/40X	RM240/40X	RM160/40X	RM80/40X
Dual Input	System	Capacity		500kVA	300kVA	200kVA	100kVA	400kVA	240kVA	160kVA	80kVA
Phase	Power M	lodule Capacity	,		50kVA	V45kW			40kVA	/40kW	
Input Voltage Range		Dual Input		Standard	Optional		Standard		Optional	Stan	dard
Input Notage Range 228V-304Vac (line-line), load decreases linearly according to the min phase voltage 50/60Hz		Phase			3 Pha	se+Neutra	l+Ground,	380V/400\	V/415V(line	e-line)	
Input Frequency Range	Input	Input Voltage	Range	228V~30)4Vac (line					e min phase	e voltage
Input PF	прис	Rate Frequer	псу				50/6	60Hz			
Input THDi		Input Frequer	ncy Range				40Hz -	~ 70Hz			
Rate Voltage Solido Soli		Input PF					>0	.99			
Rate Frequency		Input THDi				<3	% (100%	Linear loa	nd)		
Input Voltage Range		Rate Voltage)			380)/400/415\	/AC (line-li	ine)		
Bypass Bypass Frequency Range Settable, ±1Hz, ±3Hz, ±5Hz		Rate Freque	ncy				50/6	0Hz			
Bypass Overload		Input Voltage	e Range			S	Settable, -4	10% ~ +25%	%		
Bypass Overload	Bypass	Bypass Freq	uency Range			Sett	table, ±1Hz	z, ±3Hz, ±5	5Hz		
Voltage Regulation		Bypass Overload		130% for 150% for	5 mins or 1min	130% for 150% fo	10 mins or 1 min	125% fo 150% fo	r 5 mins or 1 min	130% for 150% fo	10 mins or 1 min
Rate Frequency		Rate Voltage	ate Voltage 380/400/415VAC (line-line)								
Prequency Precision		Voltage Reg	ulation		1%	for balanc	e load; 1.5	% for unba	lance load		
Output PF 0.9 1 Output THDu <1%, Linear load; <5.5%, Non-linear load Crest Factor 3:1 Inverter Overload 110% for 1 hour; 125% for 10 mins; 150% for 1 min; >150% for 200 ms Voltage ±240VDC Battery Number 40pcs (Settable: even number from 32 to 44) Voltage Precision ±1% Charge Power up to 20% * Output active power Battery Cold Start Standard Optional Standard Optional Efficiency AC Mode: 95.0% ECO Mode: 99.0% Battery Mode: 95.0% Display 10.4" touch screen LCD + LED + keyboard IP 20 Interface RS232,RS485, Programmable Dry Contact, USB Option SNMP Card, Parallel kit, SPD, LBS, Dust filter Temperature Operation: 0 ~ 40 °C Storge: -40 ~ 70 °C Relative Humidity 0 ~ 95% Non-condensing Altitude <1000m. Within 1000m to 2000m, power derate 1% for every 100m rise Noise (1 meter) 72dB @ 100% load, 69dB @ 45% load Applicable Standards Safety: IEC/EN 62040-1-1 EMC: IEC/EN 62040-2 Performance: IEC/EN 62040-3 <		Rate Freque	ncy				50/6	60Hz			
Output PF	Output	Frequency P	recision				0.	1%			
Crest Factor	Output	Output PF			0				•	1	
Inverter Overload		Output THD	ı			<1% , Line	ear load; <	5.5%, Non-	linear load		
Voltage											
Battery Number A0pcs (Settable: even number from 32 to 44)		Inverter Ove	rload	110	% for 1 ho	ur; 125% fo			1 min; >15	0% for 200	ms
System System System Standard Standard Standard Optional Opti		ŭ									
Charge Power Up to 20% * Output active power											
Battery Cold Start	Battery										
Efficiency									oower		
Display			Start	Stan						- 1	onal
System IP Class IP 20		Efficiency							-		
Interface		Display				10.4" touch	n screen Lo	CD + LED ·	+ keyboard	i	
System SNMP Card, Parallel kit, SPD, LBS, Dust filter Temperature Operation: 0 ~ 40 °C Storge: -40 ~ 70 °C Relative Humidity 0 ~ 95% Non-condensing Altitude < 1000m. Within 1000m to 2000m, power derate 1% for every 100m rise Noise (1 meter) 72dB @ 100% load, 69dB @ 45% load Applicable Standards Safety: IEC/EN 62040-1-1 EMC: IEC/EN 62040-2 Performance: IEC/EN 62040-3 Weight (kg) Cabinet 450 220 170 120 450 220 170 120 Physical Dimension W*D*H(mm) Cabinet 1300*1100 650*970 650*960 600*980 72000 *1150 650*970 650*960 600*980 72000 *2000 *1150 650*970 650*960 600*980 72000 *2000 *1150 650*970 650*960 600*980 72000 *1150 650*970 65		IP Class					• • • • • • • • • • • • • • • • • • • •				
Temperature	System							-			
Relative Humidity		•			S						
Altitude						•				;	
Noise (1 meter)			nidity						•		
Applicable Standards Safety: IEC/EN 62040-1-1 EMC: IEC/EN 62040-2 Performance: IEC/EN 62040-3 Weight (kg) Cabinet 450 220 170 120 450 220 170 120 Physical Dimension W*D*H(mm) Cabinet 1300*1100 650*970 70 100 100 100 100 100 100 100 100 10			,	<100	0m. Withi		-			very 100m	rise
Physical Dimension W*D*H(mm) Cabinet Cabinet 450 220 220 170 120 450 220 170 120 450 220 170 120 120 120 170 120											
Physical Dimension W*D*H(mm) Cabinet 1300*1100 650*970 650*960 600*980 1300*1100 650*970 650*960 600*980 1300*1100 650*970 650*960 *1150 *2000 *1150		Applicable St									
Physical Dimension W*D*H(mm) Power module 45 Cabinet 1300*1100 650*970 650*960 600*980 1300*1100 650*970 650*960 *1150 *2000 *1150		Weight (kg)		450			120	450			120
Dimension Cabinet *2000 *2000 *1600 *1150 *2000 *2000 *1600 *1150		0 (0)	Power module		4	5			4	4	
	Physical		Cabinet								
			Power module				510*70	00*178			



HT33 Series Tower Online UPS 60-500kVA (380V/400V/415V)

HT33 series three phase UPS offers advanced technology that increase performance and reliability: three high speed DSPs with completed digital control fully ensure high quality of power supply, high input power factor and low input current distortion. It also offers humanization design: full front access of serviceability and user friendly interface.





Application

- IDC(Internet Data center), ISP, IT Room, Service Center
- Precision instruments, Intelligent equipments

Features

- High efficiency, up to 96%
- High input PF > 0.99; Input current THDi < 3%
- Muti-protection, over-temperature protection with 8 sensors, over-load, battery under voltage, fan failures, short-circuit
- Battery cold start
- Battery management with smart charging control, greatly extend the battery life

- High power density
- Parallel up to 1500kVA
- Modular design of subsystem, convenient for field maintenance
- Friendly operation interface, color touch LCD screen



MODEL	MODEL			HT33080X	HT33090X	HT33100X	HT33120X	HT33150X	HT33200X	HT33250X	HT33300X	HT33400X	HT33500X
System (Capacity		60kVA	80kVA	90kVA	100kVA	120kVA	150kVA	200kVA	250kVA	300kVA	400kVA	500kVA
	Dual Input					Standaı	⁻ d			Opti	ional	Star	ndard
	Phase				3 Phas	e+Neut	ral+Gro	und, 38	0V/400\	//415V(line-line)	
lanut	Input Volta	age Range	228V	′~304Va	c (line-lir				ne),full lo		the min _l	phase vo	oltage
Input	Rate Frequ	uency						50/60H	Z				
	Input Freq	uency Range					40)Hz ~ 7()Hz				
	Input PF							>0.99					
	Input THD	i				<	3% (1	00% Li	near loa	ıd)			
	Rate Volta	age	380/400/415VAC (line-line)										
	Rate Freq	uency	50/60Hz										
	Input Volta	age Range					Settable	e, -40%	% ~ +25°	%			
Bypass	Bypass Fr	requency Range				Se	ettable, :	±1Hz, ±	3Hz, ±5	Hz			
	Bypass O			130 15	ong term % for 10 0% for 1 0% for 3	mins min	n		110	150%	term ope for 5 min for 1 mir % for 1s	s	
	Rate Volta	age				38	30/400/4	415VAC	C (line-li	ine)			
	Voltage R	egulation			1% f	or balan	ce load	; 1.5% f	or unba	lance lo	ad		
	Rate Freq	uency						50/60H	Z				
Output	Frequency Precision		0.1%										
Output	Output PF		0.9 <1% , Linear load; <5.5%, Non-linear load										
	Output Th	łDu			<	1% , Lir	near Ioa	d; <5.5°	%, Non-	linear Ic	ad		
	Crest Fac	tor	3:1										
	Inverter O	verload	110% for 1 hour; 125% for 10 mins ;150% for 1 min; >150% for 200 ms										
	Voltage		$\pm 240 extsf{VDC}$										
	Battery N	umber	40pcs (Settable: even number from 32 to 44)										
Battery	Voltage P	recision	±1%										
	Charge P	ower				up to	20% *	Output	active p	oower			
	Battery C	old Start				Optiona	al				Sta	ndard	
		AC Mode	95%	96%	95%	96%	95%			9	6%		
	Efficiency	ECO Mode						99%					
		Battery Mode	95%	96%	95%	96%	95%				6%		
	Display				10	0.4" tou	ch scree	en LCD	+ LED -	+ keybo	ard		
	IP Class							IP 20					
System	Interface								ble Dry				
- ,	Option				SNI	MP Card	d, Parall	lel kit, S	PD, LB	S, Dust	filter		
	Temperati		Operation: 0 ~ 40 °C Storge: -40 ~ 70 °C										
	Relative H	lumidity							ndensir				
	Altitude		<	:1000m.	Within						•	100m ris	se
	Noise (1 m		65dB @ 100% load, 62dB @ 45% load										
	Applicable Standards				N 62040								
	Weight (kg	a)	170	210	231	210	266	305	350	445	490	810	900
Physical	Dimension	ı W*D*H (mm)	600*980 *950	600*980 *1150	600*980 *1400	600*980 *1150	600*980 *1400	650*960 *1600	650*960 *1600	650*960 *2000	650*960 *2000	1300*1100 *2000	1300*1100 *2000



HT33 Series Tower Online UPS 10-40kVA (380V/400V/415V)

HT33 series UPS applies advanced technology that increases performance and reliability: two high speed DSPs with completed digital control to ensure high quality of power supply, high input power factor and low input current distortion.





Application

- IDC(Internet Data center),ISP,Computer Room, Service Center
- Precision instruments, Intelligent equipments

Features

- High efficiency, up to 96%
- High input PF > 0.99;Input current THDi < 4%
- Muti-protection, over-temperature protection with 8 sensors, over-load, battery under voltage, fan failures, short-circuit
- Four circuit breakers, providing full protection when fault happens
- Battery cold start
- Battery management with smart charging control, greatly extend the battery life
- Parallel up to 8 units
- Friendly operation interface, high-resolution LCD screen



MODEL			HT33010XS	HT33015XS	HT33020XS	HT33030XS	HT33040XS		
MODEL			HT33010XL	HT33015XL	HT33020XL	HT33030XL	HT33040XL		
System	Capacity		10kVA	15kVA	20kVA	30kVA	40kVA		
	Dual Input				Standard				
	Phase		3	Phase+Neutral+	Ground, 380V/40	00V/415V(line-lin	e)		
Input	Input Volta	ige Range	228V~304Vac	304~478Vac (line-line),full load; 228V~304Vac (line-line),load decreases linearly according to the min phase voltage					
прис	Rate Frequ	uency			50/60Hz				
	Input Frequency	uency Range			40Hz ~ 70Hz				
	Input PF				>0.99				
	Input THD	i	<4% (100%	Linear load)	<3%	6 (100% Linear	load)		
	Rate Volta	age		380/4	100/415VAC (lin	e-line)			
	Rate Freq	uency			50/60Hz				
Bypass	Input Volta	age Range		Se	ttable, -40% ~ +2	25%			
	Bypass Fr	equency Range			ble, ±1Hz, ±3Hz,				
	Bypass O	verload	125%	6 long term opera	ation; 130% for 1	0 mins; 150% for	1 min		
	Rate Volta			380/4	100/415VAC (lin	e-line)			
	Voltage R			1% for balance	load; 1.5% for ur	balance load			
	Rate Freq				50/60Hz				
Output		y Precision			0.1%				
	Output PF			1		0.9			
	Output TH			<1% , Linea	r load; <5.5%, No	on-linear load			
	Crest Fac				3:1				
	Inverter O	verload	110% for	1 hour; 125% for		or 1 min; >150%	for 200 ms		
	Voltage		±240VDC						
Dettern	Battery N		40pcs (Settable: even number from 32 to 44)						
Battery	Voltage P		±1% up to 20% * Output active power						
	Charge P			up to 20		re power			
	Battery C			05	Optional		00.00/		
	Efficiency	AC Mode		95.	98.0%		96.0%		
	Linciency	ECO Mode		05	.0%		96.0%		
	Display	Battery Mode			D + LED + keybo	pard	30.070		
	IP Class				IP 20				
	Interface				RS232,RS485				
System	Option		SNI	MP Card Paralle		ammable Dry Cor	ntact		
	Temperatu	Ire	G		~ 40 °C Storge				
	Relative H			•	95% Non-conder				
	Altitude	idifficity	<1000m V			rate 1% for every	100m rise		
	Noise (1 m	neter)	7000111. V		55dB @ 50% loa		. 30111 1130		
		Standards	Safety: IEC/EN 62040-1-1 EMC: IEC/EN 62040-2 Performance: IEC/EN 62040-3						
			51.5	51.5	89	89	140		
-	Weight (kg	1)	31	31	50	52	61		
Physical			250*840*715	250*840*715	350*738*1335	350*738*1335	500*840*1400		
	Dimension	W*D*H (mm)	250*660*530	250*660*530	250*680*770	250*680*770	250*836*770		
				_00 000 000					



HT33-TX Series Tower Online UPS 10-40kVA (380V/400V/415V)

HT33-TX series in-built transformer three phase UPS applies advanced technology that increases performance and reliability: two high speed DSPs with completed digital control fully ensure high quality of power supply, high input power factor and low input current distortion. With in-built transformer, the HT33-TX is providing more safety to critical load.





Application

- IDC(Internet Data center),ISP,IT Room, Service Center
- Precision instruments, Intelligent equipments

Features

- In-built galvanic isolation transformer
- High input PF > 0.99;Input current THDi < 4%
- Muti-protection, over-temperature protection with 8 sensors, over-load, battery under voltage, fan failures, short-circuit
- Four circuit breakers, providing full protection when fault happens
- Battery cold start
- Battery management: smart charging control, auto maintenance, greatly extend the battery life
- Parallel up to 8 units
- Friendly operation interface, high-resolution LCD screen



MODEL			HT33010X-TX	HT33020X-TX	HT33030X-TX	HT33040X-TX			
System (Capacity		10kVA	20kVA	30kVA	40kVA			
	Dual Input			Stan	dard				
	Phase		3 Pha	se+Neutral+Ground,	380V/400V/415V(line	e-line)			
lanut	Input Volta	age Range	228V~304Vac (line-	304~478Vac (lir -line),load decreases li		e min phase voltage			
Input	Rate Frequ	uency		50/6	0Hz				
	Input Freq	uency Range	40Hz ~ 70Hz						
	Input PF			>0.	99				
	Input THD	i	<4%		<3%				
	Rate Volta	age	380/400/415VAC (line-line)						
	Rate Freq	uency		50/6	0Hz				
Bypass	Input Volta	age Range		Settable, -4	0% ~ +25%				
	Bypass Fr	requency Range		Settable, ±1Hz	z, ±3Hz, ±5Hz				
	Bypass O	verload	125% long	g term operation; 130	% for 10 mins; 150%	for 1 min			
	Rate Volta	~		380/400/415V	AC (line-line)				
	Voltage R	egulation	1%	for balance load; 1.5°	% for unbalance load				
	Rate Freq	·		50/6	0Hz				
Output		y Precision	0.1%						
•	Output PF		0.9						
	Output Th		<1% , Linear load; <5.5%, Non-linear load						
	Crest Fac			3:					
	Inverter O	verload	110% for 1 hour; 125% for 10 mins ;150% for 1 min; >150% for 200 ms \pm 240VDC						
	Voltage								
-	Battery N			40pcs (Settable					
Battery	Voltage P			±1					
	Charge P			up to 20% * Outp	· · · · · · · · · · · · · · · · · · ·				
	Battery C	old Start		Opti					
	Г. С .	AC Mode		92.					
	Efficiency	ECO Mode		95.					
	Disales	Battery Mode		92. LCD + LED					
	Display								
	IP Class			IP RS232,					
System	Interface		SNIMD C	Card, Parallel kit, USB		Contact			
	Option								
	Temperati		Operation: 0 ~ 40 °C Storge: -40 ~ 70 °C						
	Relative Humidity Altitude		0 ~ 95% Non-condensing						
	Noise (1 m	neter)	<1000m. Within 1000m to 2000m, power derate 1% for every 100m rise						
			55dB @ 50% load Safety: IEC/EN 62040-1-1 EMC: IEC/EN 62040-2 Performance: IEC/EN 62040-3						
	Weight (kg	Standards	200	220	240	300 300			
Physical		n W*D*H (mm)	200	350*738*1335	240				
	Dimension			330 738 1333		500*840*1400			



HR33 Series Rack Online UPS 10-25kVA (380V/400V/415V)

The HR33 Series Rack is double conversion online UPS with fully DSP controlled technology. With its flexible configuration of 3/3 and 3/1, compact design, it's the ideal choice for modern data center.





Application

IDC(Internet Data Center), network servers and workstation, control system, communication system, office, PC etc

Features

· Rack Design

Rack design, compatible with 19" standard rack cabinet, convenient to be integrated with servers

- · Friendly Interface
- 5.5" touch color LCD with graphic display, more information displayed and easier for customer to operate
- · Flexible configuration

The system can be configured to 3/3 and 3/1

· Intelligent charging management

The system intelligently control the whole process of the charging and discharging, effectively improving the life time of the battery



MODEL			HR33010CL	HR33015CL	HR33020CL	HR33025CL		
System (Capacity		10kVA	15kVA	20kVA	25kVA		
	Dual Input			Stan	dard			
	Phase		3 Pha	se+Neutral+Ground,	380V/400V/415V(line	e-line)		
la acid	Input Volta	age Range	228V~304Vac (line-	304~478Vac (lir -line),load decreases li		e min phase voltage		
Input	Rate Frequ	uency		50/6	0Hz			
	Input Freq	uency Range		40Hz ~	70Hz			
	Input PF			>0.	99			
	Input THD)i	<4% (100%	Linear load)	<3% (100%	Linear load)		
	Rate Volta	age		380/400/415V	AC (line-line)			
	Rate Freq	uency	50/60Hz					
Bypass	Input Volta	age Range		Settable, -4	0% ~ +25%			
	Bypass Fr	requency Range		Settable, ±1Hz	z, ±3Hz, ±5Hz			
	Bypass O	verload	125% long term	operation; 130% for	10 mins; 150% for 1 r	nin, 400% for 1s		
	Rate Volta	age		380/400/415V	AC (line-line)			
	Voltage R	egulation	1%	for balance load; 1.5	% for unbalance load			
	Rate Freq	luency		50/6	0Hz			
Output	Frequency	y Precision	0.1%					
Carpar	Output PF			•				
	Output THDu		<1% , Linear load; <5	5.5%, Non-linear load	<1.5% , Linear load;	<6%, Non-linear load		
	Crest Fac			3				
	Inverter O	verload	110% for 1 hour; 125% for 10 mins ;150% for 1 min; >150% for 200 ms					
	Voltage		±240VDC					
	Battery N	umber		40ր				
Battery	Voltage P	recision		±1	**			
	Charge P	ower		up to 20% * Out	out active power			
	Battery C	old Start		Stan	dard			
		AC Mode	95		95.	5%		
	Efficiency	ECO Mode		98				
		Battery Mode	94.		95	%		
	Display			LCD + LED				
	IP Class			IP	_*			
System	Interface			RS232, RS485, Progr				
	Option			3020CL and HR33025				
	Temperati		Operation: 0 ~ 40 °C Storge: -40 ~ 70 °C					
	Relative H	lumidity	0 ~95% Non-condensing					
	Altitude		<1000m. Within 1000m to 2000m, power derate 1% for every 100m rise					
	Noise (1 m		65dB @ 100% load, 62dB @ 45% load					
		Standards	-	40-1-1 EMC: IEC/EN				
Physical	Weight (kg		2		3	0		
	Dimension	n W*D*H (mm)		485*75	50*130			



HT31 Series Tower Online UPS 10-40kVA (220V/230V/240V)

Ht31 series is online double-conversion UPS with full DSP control technology. With high input and output power factor, self-adjusting output frequency and network management, HT31 is a perfect choice for computers, telecommunication equipments and other sensitive devices.





Application

IDC(Internet Dater Center),network,servers and workstations,office etc

Features

Common features for 10-40KVA

- Full protection of overvoltage, circuit short and over temperature
- Auto fan speed adjustment
- Abundant interface: RS232,USB, SNMP, Intelligent Card
- Parallel up to 4 units

Unique features for 10-20KVA

- Output PF=1
- Small size with higher power density
- Digital Charger, adjustable from 1A to 5A
- 12A charger for option, charging for large capacity batteries



MODEL	HT3110XL	HT3115XL	HT3120XL	HT3140L				
Capacity	10kVA	15kVA	20kVA	40kVA				
Phase		Three phase in ,	Single phase out					
		190VAC~499VAC		228VAC~478VAC				
Input voltage range		@ >305VAC, 90% load@ _ >228VAC, 50% load@		100% load@ >305VAC 90% load@ >266VAC 75% load@ >228VAC				
Input PF		≥0.99						
Input THDi		≤4% (100% Linear load)		<3% (100% Linear load)				
Input frequency range		40Hz	-70Hz					
Output PF		1		0.9				
Output voltage		220V/23	0V/240V					
Voltage regulation		1	%					
THDu		1% (full linear load) 3% (full non-linear load)		1% (full linear load) 5% (full non-linear load)				
Battery voltage		192VDC		±240VDC				
Battery type/number		Exte	ernal					
System efficiency	Normal :94.5%;		Normal :95%					
System emolency	ECO :98%;							
Noise(1 meter away)	<50dB	:@<70%load;<58dB@>7	70%load	65dB @ 100%load 62dB @ 45%load				
Overload capability (Inverter mode)	1	110%:for 10 min ; 50%:for 30 sec (shut do	130%:for 1 min ; wn the bypass after 1 mi	n)				
Overload capability (Battery mode)		after 1 min; 130%:shut c 0%: shut down after 200		110%: shut down after 10 min; 125%:shut down after 10 sec; >125%: shut down after 1 sec				
Crest factor		3	:1					
Display		LED+LCD		10.4" color touch screen LCD+LED				
Interface	Standard: RS232, RS48: Standard: RS232, RS48: USB, Dry contacts Optional: RS485, USB, SNMP, Dry contacts Optional: SNMP, parallel Battery cold start							
W*D*H(mm)	190*485*336	190*485*480	190*485*480	600*980*950				
Weight(kg)	22	33	33	170				



HT11 Series Tower Online UPS 6-20kVA (220V/230V/240V)

Ht11 series, ranging from 6KVA to 20KVA, is double conversion online UPS with fully DSP controlled technology. The single phase UPS applies the advanced 3-level technology, achieving a efficiency up to 95%. With its compact design of high power density (kW=kVA), HT11 series make it ideal choice for computers, telecommunication equipment and other sensitive devices.





Application

IDC(Internet Dater Center),network,servers and workstations,office etc

Features

- High efficiency, up to 95%
- kVA=kW, Output PF=1
- 3 level of technology, compatible with complicated load
- Battery number can be set on LCD

- Intelligent charging management, effectively improving the life time of battery
- · Smaller size with higher power density
- Parallel up to 4 units
- 12A charger for option, charging for large capacity batteries



MODEL	HT1106XS	HT1106XL	HT1110XS	HT1110XL	HT1115XL	HT1120XL					
Capacity	6kVA/6kW	6kVA/6kW	10kVA/10kW	10kVA/10kW	15kVA/15kW	20kVA/20kW					
Phase	75	Single phase in , Single phase out									
				-288VAC							
Input voltage range			oad@ > 176VAC ad@ > 140VAC;								
Input THDi		≤4%@1	00% load; ≤6%@	050% load (linea	ır load)						
Input PF			≥0.	99							
Input frequency range			40Hz-	-70Hz							
Output PF				1							
Output voltage			220V/23	0V/240V							
Voltage regulation			±1	%							
THDu		≤2%(linear);	≤5% (non-linear)		≤1%(linear);	≤3% (non-linear)					
Battery voltage			192	VDC							
Battery type/number	12V,7Ah*16	External 12V,9Ah*16 External External									
System efficiency			Normal m	ode: 95%							
Noise(1 meter away)			<70%load; >70%load			<70%load; >70%load					
Overload capability (Inverter mode)			110%:for 10 min 150%:for		•						
Overload capability (Battery mode)			own after 1 min; 130%: shut dowi		n after 10 sec;						
Crest factor			3	:1							
Display			LED+	-LCD							
Interface	Standard:RS232 Optional: SNMP, USB, RS485,Dry Contacts,Parallel Kit										
W*D*H (mm)	190*426*705	190*426*336	190*485*705	190*485*336	190*48	35*480					
Package Weight (kg)	56	14	60	16	3	3					



HT11 Series Tower Online UPS

1-3kVA (220V/230V/240V)

HT11 series is online double-conversion UPS with full DSP control technology. With high input and output power factor, self-adjusting output frequency and network management, HT11 is a perfect choice for computers, telecommunication equipments and other sensitive devices.





Application

IDC(Internet Dater Center),network,servers and workstations, control system, communication system, office,PC etc

Features

- Wide range of input voltage while input PF>97%
- Output PF of 0.9, more powerful load capability
- Full protection of overvoltage, circuit short and over temperature
- LCD/LED display, monitoring all the operation status
- Auto fan speed adjustment
- In-built output transformer for TX branch



MODEL	1	HT1101S HT1101S -TX	HT1101L HT1101L -TX	HT1102S HT1102S -TX	HT1102L HT1102L -TX	HT1103S HT1103S -TX	HT1103L HT1103L-TX				
MODEL	П	HT1101S-II	HT1101L-II	HT1102S-II	HT1102L-II	HT1103S-II	HT1103L-II				
Capacity		1k'	VA	2k\	VΑ	3k\	VΑ				
Phase			5	Single Phase in,	Single Phase ou	t					
			110VAC-288VAC								
Input voltage			100% load@>176VAC; 80% load@>154VAC; 70% load@>132VAC; 50% load@>110VAC								
Input PF				≥0.	97						
Input frequency				40Hz ~	- 70Hz						
Output PF	I			0.9 (0.8 for	TX branch)						
	Ш		8.0								
Output voltage		220V/230V/240V									
Voltage regulation	Voltage regulation ± 1 % (±5% for TX branch)										
THDu			THD≤2%(linear)								
11100		THD≤5.5%(non-linear)	THD≤5%(n	on-linear)	THD≤5%(non-linear)					
Crest factor		3:1									
Efficiency		87.0% (80% f	0% for TX branch) 91.0% (81% for TX branch) 90.0% (81% for TX								
Noise			@<70%Load, <45dB@<70%Load, <45dB@<70%Load, <45dB@<70%Load <50dB@>70%Load <50dB@>70%Load								
Overload capability		Inverter	Inverter 105% ~ 130%: to bypass after 1 min; 150%: to bypass after 30 sec								
evenious supusinty		Battery	105% ~ 130%:shut down after 10 sec; 150%:shut down after 5 sec								
Battery voltage	I	36\	/DC	72V	'DC	96VDC					
Battery voltage	Ш	24\	/DC	48V	'DC	72VDC					
Battery type/numbe	I	12V,7Ah*3	External	12V,7Ah*6	External	12V,7Ah*8	External				
battery type/mambe	Ш	12V,7Ah*2	External	12V,7Ah*4	External	12V,7Ah*6	External				
Max charging curre	nt	1A	8A	1A	8A	1A	8A				
Interface				RS232	2,EPO						
Optional				USB(B Type),SN	•						
W*D*H(mm)	I		53*222 53*438	190*374*336 190*427*570		190*427*336 190*427*570					
	Ш		53*222	190*37		190*37					
Weight(kg)	I	10.5 25	5 20	21 45	8.5 34	24.5 55	9.5 40				
vveigni(kg)	II	10	6	17	11	22	12				



HR11 Series Rack Online UPS 1-10kVA (220V/230V/240V)

HR11 series, ranging from 1KVA to 10KVA, is double conversion online rack UPS with fully DSP controlled technology. The single phase of 6-10KVA UPS applies the advanced 3-level technology, achieving a efficiency up to 95%. With its compact design of high power density (kW=kVA) in 2U height, HR11 series make it ideal choice for computers, telecommunication equipment and other sensitive devices.





Application

IDC(Internet Dater Center),network,servers and workstations, control system, communication system, office, PC etc

Features

Common features for 1-10KVA

- Wide range of input voltage while input PF>99%
- 19" standard cabinet and battery cabinet
- Full protection of overvoltage, circuit short and over temperature
- LCD/LED display, monitoring all the operation status
- · Automatic fan speed adjustment
- Abundant interface: RS232,USB, SNMP, Intelligent Card

Unique features for 6-10KVA

- High efficiency, up to 95%
- kVA=KW, output PF=1
- Intelligent charging management, effectively improving the life time of battery
- \bullet 3 level of technology, compatible with complicated load



MODEL	HR1101S	HR1102S	HR1103S	HR1106XS	HR1110XS				
MODEL	HR1101L	HR1102L	HR1103L	HR1106XL	HR1110XL				
Capacity	1kVA	2kVA	3kVA	6kVA	10kVA				
	110VAC-288VAC								
Input voltage range	100% load@ 70% load@)>176VAC; 80% loa >132VAC; 50% loa	ad@>154VAC d@>110VAC	100% load@ > 176VAC; 80% load@ > 140VAC;	_				
Input frequency			40-70Hz						
Input PF		≥0.97		≥0	.99				
Voltage regulation			±1 %						
Output frequency			50/60Hz						
Output PF		0.9		1	.0				
Overload capability (Inverter mode)	1059 1509	%-130%: to bypass ′ %: to bypass after 30	to bypass 1 min; 110%:for 10 min ;125%:for 1min pass after 30 sec 150%:for 30 sec						
Overload capability (Battery mode)	110%: shut down after 1 min 105%-130%: shutdown after 10 sec; 150%: shutdown after 5 sec >130%: shut down after 200								
Crest factor			3:1						
Efficiency	87%	91%	90%	95	5%				
Display			LED+LCD						
Battery voltage	36VDC	72VDC	96VDC	192	VDC				
Battery type/number	12V,7Ah*3	12V,7Ah*6	12V,7Ah*8	12V,7Ah*16	12V,9Ah*16				
battery type/number			External						
Interface			RS232,SNMP						
Optional	USB, SNMP, Dry contacts USB, SNMP, ECO kit, Dry contact Battery cabinet								
Operation temperature	0-40°C								
Relative humidity		0-	95%(non-condensir	ng)					
W*D*H(mm)	440*430*86	440*480*173	440*480*173	440*	660*173				
VV D H(IIIIII)	440*430*86	440*480*86	440*480*86	440*	550*86				
Weight(kg)	11.5	25	31	59	67				
weigni(kg)	7	8	9.5	17.5	20.5				



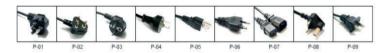
BU Series Offline UPS 600-3000VA

The BU series is offline UPS with the most advanced DSP control technology which can protect the sensitive device from utility fail, over/under voltage, surges, transients, spikes and other electrical abnormalities. With automatic boot voltage regulation and wide input voltage range, BU is a good choice to be applied to all kinds of complex power environment.



Features

- Automatic booting when the utility recovers
- Wide range of input voltage
- Alarm and mute
- Auto recharging
- Overvoltage and circuit short protection
- Interface of RJ45/11 and USB

















MODEL	BU500	BU600	BU800	BU1000	BU1200	BU1500	BU2000	BU3000	
Capacity	500VA	600VA	800VA	1000VA	1200VA	1500VA	2000VA	3000VA	
Input voltage		110/	120VAC or 2	220/230/240	VAC		220VAC		
Input voltage range		3	35-150VAC/	145-290VAC			175-275VAC		
Input frequency			50/60Hz(Au	ıto sensing)			50	Hz	
Output voltage		110/	120VAC or 2	220/230/240	VAC		220	VAC	
Output voltage range		1	02-132VAC	/200-255VA	С		200-24	10VAC	
Output frequency			50/60Hz	z±0.5Hz			50Hz±0.5Hz		
Wave form			PWM (D	C mode)			PWM(DC mode)		
Transfer time		7	Typical 2-6m	s,Max≦10m	s		≤10ms		
QTY & capacity of battery	12V,4.5Ah*1	12V,7Ah*1	12V,9Ah*1	12V,7Ah*2	12V,7.5Ah*2	12V,9Ah*2	12V,7Ah*4	12V,9Ah*4	
Charging period		ре	eriod 4-6h to	90% capac	ity		10-16hours		
Protection			Low voltage	, overload a	nd short circ	uit protection			
Operation temperature				0-4	0°С,				
Humidity	20%-90%(non-condensing) 20%-90%(non-condensing)							n-condensing)	
Noise	≤40dB								
Net weight(kg)	5.5	4	6	10.2	10.2	10.6	19	21	
Dimension	250*95*140 305*85*140 335*118*190 340*110*265						408*145*220		
Optional		LED/LCD,RJ45/11&USB							



DIV Series Power Inverter 500-6000VA

Features

- CPU control technology
- SPWM technology with pure sine wave
- Powerful load capability and high compatibility
- Advanced reverse noise technology
- Settable to AC model and DC model
- Fault protection
- Interface: RJ45,Dry contacts



MODEL		DIV500	DIV1000	DIV2000	DIV3000	DIV4000	DIV5000	DIV6000			
Capacity		500VA	1000VA	2000VA	3000VA	4000VA	5000VA	6000VA			
DCInput	Input voltage(Vdc)	12V/24V/48V/110V/220V									
DCIIIput	Reverse noise current				10%						
AC Bypass	Bypass volt(Vac)		265V-185V(±10V)								
	Input current(A)	2.3	4.5	9.1	13.6	18.2	22.7	27.3			
	Transfer time(ms)				≤5ms						
	Rated capacity(VA)	500VA	1000VA	2000VA	3000VA	4000VA	5000VA	6000VA			
	Output power(W)	400W	800W	1600W	2400W	2800W	3500W	4200W			
	Voltage and Frequency			:	220Vac , 50Hz	Z					
	Rated current(A)	1.8	3.6	7.2	10.8	14.5	16	19.1			
	Voltage precision(V)	220±1.5%									
	Frequency precision(Hz)	50±0.1%									
AC Output	Wave form	Sine wave									
	THDu	3%									
	Transient response	5%									
	Power factor(PF)	0.8/0.7									
	Overload capability	120% , 30 sec									
	Efficiency	≥85%									
	Transfer to bypass	≤5ms									
	Isolation(IN/OUT)			•	1500Vac , 1mi	n					
	Noise(1 meter)	≤40dB									
Environment	Operation temperature				-25°C-+50°C						
	Humidity			0-90	%(non-conder	nsing)					
	Altitude(m)				≤2000						
Mechanical	Standard (W*D*H)(mm)		482*356		VA;2kVA) 482 2*400*176 (6k	*388*88 (3kVA VA)	A;4kVA;5kVA)				
	Weight(kg)		8.5KG	(500VA,1000\	/A,2000VA,30	00VA);12KG(4	1000VA); 1				



Rack battery cabinet

Rack battery cabinet is special designed for IDC solution, compatible with 19" standard rack cabinet, online maintenance and convenient to be integrated into servers system.

Each battery package can install 40pcs 7 or 9Ah batteries, and connecting multiple packages in parallel to get a longer backup time.

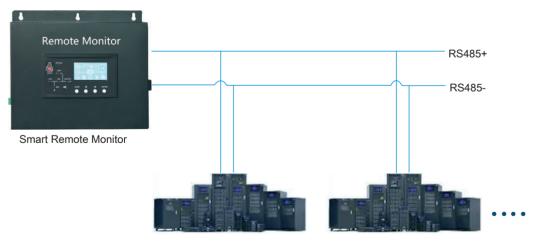




Smart Remote Monitor

Smart Remote Monitor has been specifically designed to provide detailed information of the running UPS over a long distance, which is suitable to be used in data center, IDC, monitor and control room and other applications. The Smart Remote Monitor displays and monitors the parameters and status of the UPS in real time, ensuring the safe running of the UPS system.





UPS to be monitored



Smart Charging Module

Smart charging module is designed for large current charging application where long back up time is required. There are 2 kinds of charging module, 15Amp and 50Amp. 15Amp current charging module is compatible with 10/15kVA power module based RM series 10-90kVA and can provide additional maximum current of 15Amp*N; 50Amp current charging module is compatible with 30kVA power module based RM series 25-600kVA and modular-designed HT33 series 60-120kVA and can provide additional maximum current of 50Amp*N.

Features

Modular and hot-swappable design

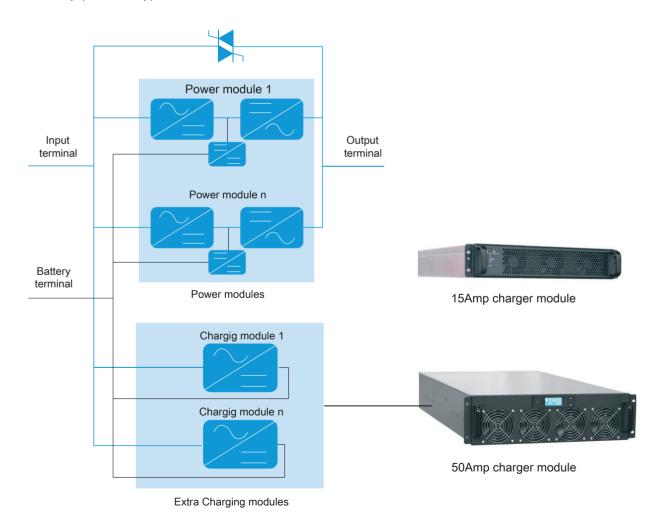
Modular and hot-swappable design, the same size and outlook as power module

Large charging current

Each charging module can provide a maximum current of 15Amp (Or 50Amp) and charging current can be set from 0-15Amp (Or 0-50Amp) on site

Compatibility

Compatible with 15kVA (Or 30kVA) power modules, easy for the UPS to expand charging capacity



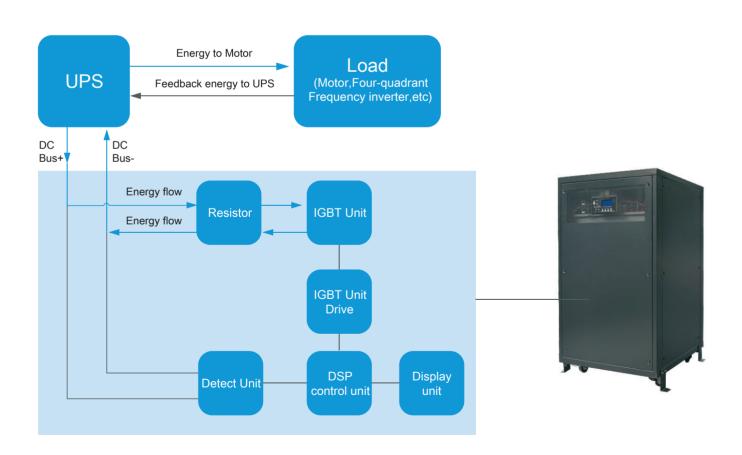


Energy Absorbing Unit

The intelligent Back-feed Absorbing Unit (BAU) is designed to cooperate with the UPS for industrial applications, where the energy is feeding back to the UPS from load. BAU provides an excellent solution for these cases.

Application

Motor braking current(A)	60	90	150	300
UPS type	RM120/30X	RM180/30X	RM300/30X	RM600/30X
RM/BAU		2xRM/BAU200		
Max feedback energy that can be absorbed	80kW	120kW	200kW	2x120kW





24A External Charger

24A External Charger is designed for large current charging application where long back up time is required. It applies to HT1106XL, HT1110XL and HTX31 series UPS.

It is the same appearance and size as HT1106XL. The charging current range is from 1A to 24A, and it can be set on LCD.

This Charger includes several communication ports: RS232, EPO, USB.



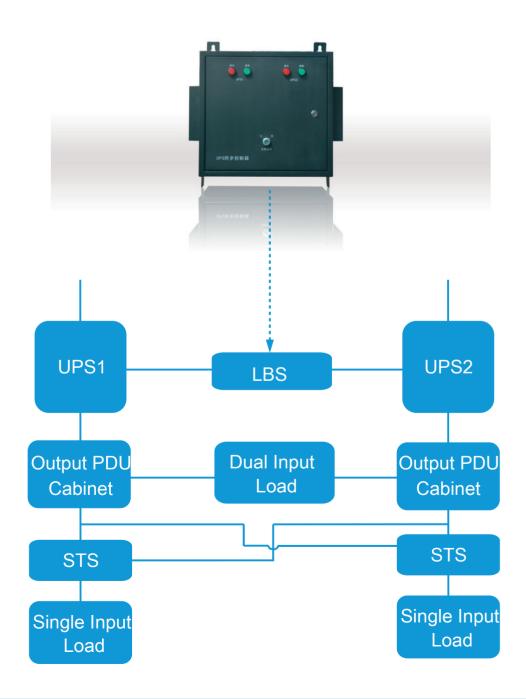
HTX31 Series



Load Bus Synchronization

Load Bus Synchronization (LBS) is designed to improve the redundancy and reliability for N+1 redundant system. In normal situation, UPS1 and UPS2 work equally with its own load, when one UPS goes failure, the system transfer to another UPS without interruption. And the LBS is used to synchronize the output phase of two UPS.

LBS is applied in three mode: LBS mode, parallel LBS mode and slave LBS mode.





Battery Cabinet

The battery cabinet is made of cold rolled steel or galvanization plates of high mechanical performance and bearing capacity. The compact structure with electrostatic spraying makes the cabinet more wear-resistant, corrosion-resistant and fireproofing.

The cabinet is designed as assembly type which is convenient for transportation. All these guarantee the reliability and safety for the UPS.



Model	Colour	Materials	Weight	Layer	Size(mm)	QTY of Battery
C1A	Computer grey and black	Steel plates or galvanized plates	4.5kg	1	525*210*225	17AH, 6PCS;24AH, 4PCS; 38AH 3PCS;
C3	Computer grey or black	Steel plates or galvanized plates	9kg	1	585*470*335	17AH,14PCS;24AH,6PCS; 38AH,6PCS; 65AH, 3PCS; 100AH 3PCS;
C6	Computer grey or black	Steel plates or galvanized plates	16kg	2	585*470*615	17AH ,28PCS;24AH, 12PCS; 38AH, 12PCS; 65AH, 6PCS; 100AH 6PCS;
C8	Computer grey or black	Steel plates or galvanized plates	21kg	2	780*470*615	17AH 36PCS;24AH, 16PCS; 38AH, 16PCS;65AH,8PCS; 100AH, 8PCS;
C12	Computer grey or black	Battery terminal	32kg	4	780*470*910	24AH,24PCS;38AH,24PCS 65AH,12PCS;100AH,12PCS;
C16	Computer grey or black	Steel plates or galvanized plates	44kg	4	780*470*1190	24AH,32PCS;38AH,32PCS; 65AH,16PCS;100AH,16PCS;
C20	Computer grey or black	Steel plates or galvanized plates	50kg	4	950*470*1190	24AH,40PCS;38AH,40PCS; 65AH,20PCS;100AH,20PCS;
C40-100	Computer grey or black	Steel plates or galvanized plates	95kg	4*2	950*880*1190	65AH,40PCS; 100AH,40PCS;
C40-120	Computer grey or black	Steel plates or galvanized plates	120kg	4*2	1000*880*1475	120AH,40PCS;
G40-150	Computer grey or black	Steel plates or galvanized plates	150kg	4*2	1100*1170*1480	150AH,40PCS;
G40-200	Computer grey or black	Steel plates or galvanized plates	200kg	3*2	1900*1270*1260	200AH,40PCS;



MF Series Sealed Lead Acid Battery 2V/6V/12V (4AH-3000AH)

- Long life expectancy
- Maintenance free
- Low self discharging
- High reliability



			Dimension(±1mm) Weight±5%					
Model	RatedVoltage(V)	Capacity(Ah)	Length	Width	Height	Total Height	l	
			mm	mm	mm	mm	kg	
MF4-12	12	4	91	71	102	108	1.4	
MF7-12	12	7	151	65	94	100	2.15	
MF9-12	12	9	151	65	96	100	2.5	
MF12-12	12	12	151	98	95	101	3.4	
MF17-12	12	17	181	77	167	171	5.2	
MF24-12	12	24	166	175	125	129	7.6	
MF38-12	12	38	197	165	170	170	12.4	
MF65-12	12	65	350	167	179	179	19.6	
MF100-12	12	100	328	171	214	220	30.5	
MF120-12	12	120	410	176	227	227	33.5	
MF150-12	12	150	482	170	242	242	44.5	
MF200-12	12	200	522	238	218	222	60	
MF250-12	12	250	520	269	220	224	69.5	
MF4-6	6	4	70	47	101	107	0.65	
MF7-6	6	7	151	34	94	100	1.08	
MF9-6	6	9	98	56	117	117	1.35	
MF12-6	6	12	151	50	94	100	1.7	
MF100-6	6	100	195	170	207	213	16.5	
MF150-6	6	150	260	180	247	251	23.5	
MF200-6	6	200	250	125	362	366	31	
MF300-6	6	300	295	178	345	350	47	
MF100-2	2	100	171	72	206	211	6.3	
MF150-2	2	150	172	102	205	227	8.1	
MF200-2	2	200	173	111	330	364	13.5	
MF250-2	2	250	173	111	330	364	15.5	
MF300-2	2	300	171	151	330	364	18.5	
MF350-2	2	350	171	151	330	364	21	
MF400-2	2	400	210	176	330	367	25.5	
MF450-2	2	450	210	176	330	367	28	
MF500-2	2	500	241	175	330	365	32	
MF600-2	2	600	302	175	330	367	37	
MF800-2	2	800	410	175	330	367	52	
MF1000-2	2	1000	475	175	330	367	61	
MF1200-2	2	1200	475	175	330	367	71	
MF1500-2	2	1500	400	350	345	382	92	
MF2000-2	2	2000	490	350	345	382	119	
MF2500-2	2	2500	490	350	345	382	140	
MF3000-2	2	3000	710	350	345	382	184	

Power Solution Specialist

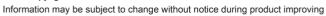
INVT Power System (Shenzhen) Co.,LTD

Tel: (86-755)26782480 Fax: (86-755)26782664 E-mail: upssales@invt.com.cn Http: www.invt-power.com

Add: Building A, INVT Guangming Technology Building, Songbai Road,

Matian, Guangming District, Shenzhen, China









201905(V2.1)